

<210> 4881  
 <211> 2449  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (15)...(1066)  
 <223> similar to gi3874290 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4881

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cccttgctgg	ccacacaaa	gcagtgtcct	ccgtgaaatt	cagcccgaat	ggagagtggc	240
tggcaagttc	atctgctgat	aaacttatta	aaatttgggg	cgcgtatgat	gggaaatttg	300
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accttcttgt	ttctgctca	gatgacaaaa	ccttgaagat	atgggacgtg	agctcgggca	420
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<210> 4882  
 <211> 729  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (264)...(642)  
 <223> similar to gi4588080 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4882

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cgactatctt	gtgtttatag	ttaagagctt	tttaaaaaaa	agtatattaa	ggactgaata	180
tctgtcataa	aaacaatggt	atatatgtat	tattccattt	atcctcacia	ggttactgtt	240
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gcctcaccct	caaagaagtc	ttcagactag	ctactcttgg	aggaagccaa	gccctggggc	420
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aggctgttat	ccagaagttc	ctctatctag	gagatgatcg	aaatattgaa	gaggtttatg	600
tgggcggaaa	gcaggtgggt	ccgttttcca	gctcagtgca	ttatctatac	ctggggccag	660
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tctcacc						729

<210> 4883  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(69)  
 <223> similar to gi5726285 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4883

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gacttcatct	cccctttctt	caccacaatt	ccaggcaatg	gcctgtcgga	ccagacaatt	180
ctaccactgc	aaagagttgt	aaccattttc	tggtatcaca	tttatttttc	aagacatact	240



tttcaagaca	tcattcactg	accactacc	tgcattgagt	ataaatgcct	ggatgttaag	300
gattccaatt	taactttgaa	aagaactgtc	tcattcattt	acattttctgt	tacagtcagc	360
ccaggaggtt	acagtgaagt	ctccactaag	aatctggg			398

<210> 4884

<211> 6692

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(2978)

<223> similar to gi2224607 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4884

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gccagcctca	caacaacagg	tttatgattt	gctgtgaccg	ctgtgaagaa	tggtttcatg	180
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gaacaataga	gcagaagtct	agcgaagacc	aagggataaa	gggtagaatt	gagaaagctg	420
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ttctgacttg	aaatattgtc	aggttaagcat	ttcttcagtt	ttcatgtgtg	tatgtaacag	6600
tagctttgca	tggaaattgt	aatcagagtc	aaatacagta	ttgaatggaa	tgtactgcct	6660
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<210> 4885

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(215)

<223> similar to gi1052737 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4885

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cgacacctcc	aacttcggaa	cttaccgccg	gaatgactgg	gacacagccg	cgaccgtgcc	180
gcagaagggt	ttagaaatct	tcaagaattt	ctgaggacag	gagctcacat	ctggaagaag	240
caggaaggct	ggaatctgcc	tgcaacaaa	agctgctcct	gagcagacca	gtagcaatgt	300
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ttgttcaatt	ataaccacaa	attgtgtgtg	tgtgtgtgtg	tgtgtgtgca	tgcgcgcgcc	600
tgtgtgtata	tatagaagtc	attatggcag	atccacagaa	attgtgcaat	gatgtaaatg	660
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<210> 4886  
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 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (2)...(893)  
 <223> similar to gi6010480 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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tgcttatcac cagaaaaccg tcttcagctt cctcaagcaa ggccatggtg gtgaggttat     180
ctcagccgtg tttgaccggg aacagcatac cctcaacctc ccagcagtca acagcatcac     240
ctacgtcctc cgcttcctgg agaaactctg ccacaacctt cgtagtgaca atctgttttg     300
caaccagccc ttacacaga ctacttgctc actactgcc atagagtaca gccacagcca     360
cgacaggtag ctaccagggtg aaacctttgt cctggggaat agtctggccc gctccttgga     420
accacactca gactcaatgg actctgcttc aaatcccacc aaccttgta gcacctccca     480
aaggcaccgg cccttgcttt catcctgtgg cctcccacca agcactgcct cagctgtgag     540
caggctatgc tccaggggag tgtaaaaagg atcaaatgaa agaagggata tggaaatcatt     600
ttggaaacta aatcgttccc cagggtcgga ccgatacctg gagagccgag atgcctctcg     660
actgagtggc cgggaccctt cctcatggac agtcgaggat gtgatgcagt ttgtccggga     720
agctgatcct cagcttggtg cccacgctga cctgtttcgc aaacacgaga tcgatggcaa     780
ggccctgctg ctgctgcgca gtgacatgat gatgaagtac atgggcctga agctggggcc     840
tgactcaag ctctcctacc acattgaccg gctgaagcag ggcaagttct gaaccaggag     900
aggcagccta gacaaccaag tggcagcagg tgggggcatt cttctaggaa tgaggggcat     960
cagcccaccc caggcacctc agtgggggttc cggggcacct caggactcca agaggtgtg    1020
tggagccacc actcctagcc acagctgcca tgataagtcc ttccatgaag gactgaggag    1080
ggagagtggg ggtccagggc tgggtgctgt cttccctcag ctctgccggg gctctaaggt    1140
ccctctatct atttctcaac cctggctggc ctctcaccag gagtttaggc tgaatgcctt    1200
ccacgtgatg gaggaaaagg ccaactctgt cctggtcttg ctgtggcacc ccacgcccc    1260
acagctcgta ccttctcacc agattccctt gaatccaaac tcgtggtgca aacctctacc    1320
ttttttacaa aaagatctta ttgttaattt attgtttctg gcaactgggc aaacctgtta    1380
gttaatactc ctcccacact agacactggg tttcaggagg agggagactg ccctgctttg    1440
gtcccagaga ggccctctgc agataggcgt ggccctctt cagaggacac taccctaggg    1500
cactttctct ttgaggtgga gagaccata aagccttgac cacatcactc catatgggga    1560
ggagaaggat ccctgtcacc ttctcctctc ttacggggc ccttttgtag ccctaggcct    1620
catctgtggg aaggaggtcc ctggcttata ctgccccac caagctcct tgccctggcc    1680
agaactgctg tcgaagaaaa tcaggccgga aggccaagaa ggcgctaagg gggatgggag    1740
ggcagggttt ccaggctgga gtcggttcca cccactcgcc tgtccacagg cttccttgta    1800
agcaagttag cagcacagct actcacgtg ccatctggac ttattttatg tcaatctgtt    1860
tataaataaa aaccaatata gataaaaaaa aaa                                1893
  
```

<210> 4887  
 <211> 1319  
 <212> DNA  
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(1320)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (231)...(437)
<223> similar to gi549986 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4887
ataaaatatt agggactttt cttggttagag atggaaatcc aaataaacgg aatgtgcaca      60
atgaaacatc tatgcatttg ttgtgtatgg gacctcaaat tatgatctct gaaggagccc     120
ttcatcctcg cttggcacgc cccacagaag atgatttcag aagagcagat tgtctgcaga     180
tggtcttaaa atggaaagga gcaaaacttg accagggtga atatgagaga gcagctattg     240
atgctgttga taacaaaaaa aacacacccct tgcactatgc tgctgcctca gggatgaaag     300
cctgtgtaga gcttttagta aaacatggag gagacttggt tgctgagaat gaaaataaag     360
atactccttg tgattgtgct gaaaagcaac accacaaaga tttggccctc aatctggaat     420
ctcaaatggt attctcacgg gatcccgagg ctgaagaaat agaagctgaa tatgctgcat     480
tagacaaacg agagccatat gaaggattaa ggcctcagga tcttcgtaga ctaaaagata     540
tgcttattgt ggaaactgca gacatgcttc aggtcctctt ctttactgct gaagctttac     600
ttcgagctca tgactgggac agggagaaat tacttgaagc ttggatgtcc aaccgggaga     660
actgctgcca acgatcaggt gttcaaatgc caactccacc accaagtggg tataatgcct     720
gggacacgct cccatctcca agaactccaa ggactacacg ctcttctgtc acctccccag     780
atgaaatcag cttatctcct ggggatttag acaccagttt gtgtgacatt tgtatgtgca     840
gtatctctgt atttgaagac cctgtggata tgccctgtgg acatgacttt tgtagaggat     900
gttggggagtc gtgagtatat gagcacctta gcatctctta ctgcatgata gcactctgat     960
ttgttaataa aattgtttgc tttcagtatt taatgatgca aattgtttat attgacttct    1020
gagttacaca gaaatgaatt tagactttac tagtaaggaa aaatattttt gttttttattt    1080
ttacgtcttc cccagctatt ttaattaatg ctatttagct taatgtaagg tacctttaga    1140
aacaaagcag gtatacaaat aatttttctt agtatttttag tttatattac atctaattga    1200
aatttcaggc aagaatcagt ttgtcttata tcccaggaat cttaagcatt tgggtntgtg    1260
ctgtctcaat tttttgtgac aaccaaattg ccttgaaaat ctttaagaat atagatgtt    1319

```

```

<210> 4888
<211> 1586
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1333)...(488)
<223> similar to gi726395 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4888
tttttttttg gtggtttctca aactgtgttc ctagaagcat cccatgtgcc cccaggccaa      60
gaggtccagg ttctaccccg acccacatcc cctgaatcag agcagctttt tttttttttt      120
aaaaattttg atctgtttca cacattatat ttgtttgaac ttcccatgtt taaaaatttt      180
gaagaaaatc cctggagtag acaatcccta gagcactgac atgctgtggt ccaagggttca      240
ccaggaacag tgectgtgcc ctgccacatg gcgggggttcc ttcaagcctc tgggtgatgaa      300
ggtgctcagg gaaaggagga cggaggggag cggaaggacc cagccactgc tggccaccct      360
ggcctctgct ctgtgttcac gggggagcag actctgggga ggcgcccctc ctccaccagg      420
cctgcaggcc gggctggagc ctgcgccttc aggggccttg catctccagc tggaccccct      480
ggcacaggat gtgctgcagt agcccgttga ccacatccag agtctcgtec ttctccagca      540
cgatgtcata ggagtccatg tagcgctccc gccgctcctc caccttgtca ttcaggaagc      600
caattttgag aatgttctgc acaccaggaa ccccatcggc catggtgagg tccccgatag      660
agtctccag caggatgaca ttggttttgc cctcaagtgt ctggaagtaa ccacagttct      720
cacacgcaga gctgttcttg ttgtatgtgt gtatgagctg gcccttaaat ccctggagaa      780
aaccatcttc attaaaatcc atgtagttag acacgatgtg gatgttgggg tggaaacttt      840
tcatctgtcg gataatttct tccaggatat caccaatgcc cgcagaaaag atgaaaaggg      900
gaatgttggt atggttagagt gtgttgaaaga aggtcttata tccctccctg agcattgcat      960
tggaactctt aaccacctgg gctatctgaa acttctgaat cttctgctga cataggagat     1020
tgtgcgcttt ggtccaccat tccaccatat gaggtagctt ctccctgacg gtccgggtgtg     1080
ggtcgatctc aattgggtaa tagtgggtgaa ggagcgctgt gagctctttc cgacactcct     1140
cactgatgat cttgctatta tccagaatat tgtaagaaga agggcatcgc tttccattat     1200
atgcaaacct gctcaaggtc atgtcaaaat cagaaatcac ctgtaaccgg tctccgccgc     1260
ccttgccgag ggcgcccacg atctcctgca cccgccagag ctgcgcgcatc aggaccgtgg     1320
ccttcacag ggtgtcacc tgtcccgaga cccgagagaa ccactgaacc ctgcgccacg     1380
ctggggccga ggggagcccg gggctcgctc gggcgcgctg gtgaggcggg gccgggggtgc     1440
gcgagggggc ggctactggc ctgggtgaag cggcggtgcc tcggtgacca gctggggggc     1500
tcgaagcgcc cggggggtcg gagtcggggc ccgccccact ccggacgctt cctccctcct     1560
cacctccaca accatcccgt tcgagg                                     1586

```

```

<210> 4889
<211> 5241
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5242)...(889)
<223> similar to gi2224553 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4889
tcttaattct actccggaaa gaaaaatttt taacagccag ggaattgggg ttggttttcc      60
cccttttccc cttaaaaatt ttttttttcc ccaaaagcct taaatttttg agggggggtg      120
ggcccataag tccccccccc aaaaaaaagg ttcttttcca aaaatcccaa ggagggtttt      180
aaatggcccc ccataaagaa aaaaatttta ccttgccaac cccgggtaaa attgggcccc      240
ccaagggttc ttttaaaagg gccccccctt tttttttttt tgtgttaaac agctttaatc      300
tcgctcattg cggcttctcg gcacagtaag aaatattgca catgatcaac atgttttggt      360
ctggggaagg gggcaagggc agggggaatc accttcttag aaagtacaac ccaagttggg      420
agggcagagg ggggtgaggag aaaaccctcc ccgtgcctgt ggcaaagtgc aggagcccc      480
acccccaac taacctgagt ccagcccctc tggggaaaaa aggggtgcat gaactcccc      540

```

tattccacag	gcgcctccct	gtggcccaag	gcctgcacca	ccctccagct	tgcagccctc	600
acaggagcca	ttttgcataa	agtgaaaagc	tctgaaggte	acacgctcca	ggttatgtac	660
aggggcttgg	aggagggaga	ctgcccctgc	agcccctcag	ctgcccccca	gcaccgggag	720
ggagcttcga	gggaaggggg	tattttacaag	aggagcaggc	ctcattccgc	cccaaactgg	780
agaggacgaa	atggctttac	ccgggaggag	ataaccttcc	tgccccacac	tactgtccat	840
gtcctgaggg	ggtactataa	gtcctggcat	cttctcaggg	gtccctcacc	tgctgtggc	900
agctgtggag	ggacctgggg	gtggggggga	gggctgggga	gccccctccc	agccaggctg	960
tccaggcccc	gactctgggg	gtggaggcag	tggcggggca	gcctgggccc	tgccagagtc	1020
cgagctgggt	gaggtggggt	caggggcccc	tgcggggctg	ggagtggggg	caggggcagc	1080
agcggtgcca	gtggggggcg	gtacagggag	aggagcctca	gctccagggg	gctgctccgt	1140
gggagtggca	gcctgcatga	tcttctggcg	cacctcacgg	atcttcaact	gcagacaaac	1200
cttgagggga	aagatgtctg	catagcgggc	ctggaaggcg	gctgtggcct	gggctgacgg	1260
gaagaagcca	tggctctgaa	agagctgcat	gaccagggcc	cggcgctggg	ccagggtgcg	1320
ccgcaggggag	gagtatggca	ccttgtcata	ctctagctcc	ccaagcacgt	cctcggtctc	1380
tgtacctgta	cagtcaaagg	tgaagatgtc	ccccctgcac	ttggcactct	tgggggtggt	1440
gggctccgag	ctgcagctgg	agcgtcttct	catcttgccg	ttgggcgagg	tggggtcctc	1500
gggtgctgaa	tccagggtccg	tggagtctct	cctcttcttg	cggtaagagc	ccaggatggc	1560
ccgggggtgag	gtggccagag	actgcagggt	gggggagggc	agcacctcct	caggccgaaa	1620
ctcaggcaac	tcagcaaagc	gctcttcgaa	gtccacttct	gacaggaccc	tggtgtccac	1680
agagtcaaag	gtcttcttca	ggggcggggg	ccgcaccttc	accttcttgc	cagtaccagc	1740
cgctcccttg	cgctccgggg	tgccccgggc	tgcccgccca	ctgctgctct	cgctgctgcc	1800
accaggggct	acagctggag	ctggggccgg	gctgggagga	gtgggagggt	ccccacgatt	1860
ctccaggccc	tgcccaggga	cgcgccagtc	tgaagatgag	ctgggggaatt	tgctggccat	1920
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ccgggcccgtg	ggagtccagg	tctctggcag	gggtggaggg	gctgggtggg	tgggctgccc	2040
ctcaagctca	gactctgggg	cagttggctc	tggactggg	ccaggctcca	gaggtgccc	2100
gggtgcaggg	ccaggccggc	cagaggcacc	tgccctcaag	gaccccacgg	gaatgctggc	2160
gatggctgcc	ttcactttct	ggggggcctt	cgggctgggc	cgctgggccc	tgggggccac	2220
taagctgtag	gtcatggaac	ctgctgtggc	gctggggaaa	gggctagtcg	gggctgggggt	2280
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ggtggccaca	gtgtagacca	ggcttggggg	ggcctgggat	ggctgggcca	ggggtgctga	2400
ggagggtgggt	gcagggtctg	cagagtaaaa	tgctgttatg	acaggacctc	cgggggctgc	2460
acaggcaggc	ggcagctggg	gactgggcac	agggtgacacg	cccacctgac	cgggagccag	2520
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gatgatcttg	ctggggggct	gggcaccatt	ctgcacaggt	actgagaagg	gcgggctcac	2880
cagtggcagt	ggctggccgg	cccctccacc	ccgcactgac	atgctagggg	cggccagagg	2940
cactaggacc	ttcccaggca	gcagctgggc	tgagccaccc	gggggcccgg	cctgcacggg	3000
agaaactgac	tgggctttgg	gggggtgggg	ggagggtaca	gactgcagga	tggggatgcc	3060
aggagtgggt	gcagtggcag	ccaggacttt	gccgttggtg	gaagtgcccg	gtgggaggggt	3120
gaaacggatg	ctggtggtgg	gtgcagggcc	gctgggagcc	gctgccttgg	tcccaggggc	3180
tgggtgctgg	gcaggtgcca	cctgaagctg	ctggggcagc	gtgggcagga	tgtactgtac	3240
ctgggtgatt	ccccagcct	tgcccagggc	acctggttgc	aggatgccc	ggggtactgg	3300
ccatttgggg	ccactcccag	cacctgctcc	tgagcccgc	gtggtcccac	caccaggggc	3360
cccctgggca	atgaactgga	cagcaggggg	cgcagggggc	ccataccccg	gggtgcccac	3420
cagtaggtta	gtgacagtgg	caggcgcctt	ccccacagtg	cccagcaggg	gtccagccac	3480
caagtgtggg	gctgggtgag	tggctgctgc	cgacttcttg	tccgaataca	ctaagctgac	3540
accagcggg	gagccccag	gcacccgaga	cccagtggcc	atttcagtc	tggcacctgc	3600
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cacaggagtg	ctgctgacag	gccgcaccac	attgggtgacc	atgggtggcg	caggacggga	3720
caggggagct	gctggggccc	cataggccag	tgatggggcg	ggggcgagg	gcactctggc	3780
tccgccgccc	tcttgctcct	ccttggttgg	gggcagcacc	agtgtctgca	ggatgtttcc	3840
tctccgctg	ggaggggccc	cgatgactga	ggggcctggg	ggctccaggc	caccacact	3900
ttcgggtctc	ttgcgccgga	aggtggcagg	atccattggg	aggaaccggg	ttgccttggga	3960

aggtgtcgct	ggacccccag	ccccaggggg	tgggggcccgt	aggggggccc	ctgtgctgcc	4020
ctgaccagac	tcttgggctt	tgaaggttcc	tgagcccagt	gagaaggagg	tggctgccga	4080
ggctgaggag	gaagcaggcg	aggacgcaga	ggaggatggg	gcggaaccat	agcctttgcc	4140
aaaggctaca	ggaggatccg	ggggccctgg	gggctcaggg	tccagtgggg	ggcggcagtg	4200
ggtaaaggag	gaacggatca	caggtgaaaa	ccccttcgga	ccaaagccct	tgttgccctt	4260
tgggtcctcc	ccagagctgt	ccccactctc	gctgtcggtc	acccgctcct	tgcaactgag	4320
atcaatgtca	gtgggtgccga	agccattgtc	agcaatgaca	tcatcatccc	cttcctctc	4380
acagatgacc	atgcgctcct	catcactcgt	catgtcctca	ctggccgcac	gctgagaacg	4440
agaagctcgg	gtgggagcga	gcggggggccg	cccagtggcc	gccaaggcac	ctccctcacc	4500
aggggctgca	aagggtcctg	gagctccata	ctgggtagaa	ggctttgggc	cagagtacga	4560
tgcagggccca	gacaccatct	gcgtcagttc	ctgtagcgcc	tgactgtcta	cttctccgcc	4620
gtccaggctg	tgtaccccg	tgtgggagaa	agctcggggc	cgggctgagc	caggtcccc	4680
aactgtgtgt	agccgttctg	ccccacagga	gctgtcctcc	ggagccttgg	tgtctgagct	4740
caggagtgtc	tgggctgcaa	cgacagagg	ctcagaggac	accccagggg	cagcagcagt	4800
gcccgtctcc	gacatgctcc	gctcccgcgt	ctccttgtgc	cctcctgcc	gccccaggct	4860
cgtgggcttg	gcctctgagc	tggacttctt	tgggtccttg	ttgcaccact	tccaatctgg	4920
gtgggccttg	aagtgggctt	ccttcacctg	gaaggccagg	tcgtgggtact	tttgcttctc	4980
cttgggcccc	agggcatacc	accactcgcc	caggatcctg	ctgacgggtc	ggttgctcctg	5040
gttgggatga	cgctgggtgga	ccaggggccc	gtgcgccttg	ctgaagatca	tgaaggcatt	5100
catgggccc	cggatgtggt	ccttctcccc	cttgttgggg	ctgcgtccat	ccttctcaga	5160
agatgagtc	cgttccttgg	gtagggcact	gagggactgg	gtccgacgtt	ttccgggccc	5220
tagaggcaac	tggatctcag	g				5241

<210> 4890

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(396)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (3)...(83)

<223> similar to gil64386 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4890

tcatgtctat	gattgaccct	ccccgggctg	ctgtgccaga	tgctgtgggc	aagtgccgaa	60
gcgcaggcat	caaggtagct	gcctcccatc	ctcccccca	ttctagcctc	ccccatgcca	120
gagttcaagg	agctgcagtg	gctgctgccc	tggaaaggcc	caggccacgg	nggcctcctt	180
cccactgact	caaagaagaa	gctgtccatc	tgcaaggaaa	ggcccacccc	tgcttggggg	240
cactcaccct	tatccctttt	gctcagagag	gccagtgtcc	catgcccctc	ctctccctcc	300
ctggcacagc	tctttgtccc	atctgcatgt	gtacccttcc	attctgattt	gaagcataat	360
ctggcactcc	tatcttgaag	acctagtgtg	cctaa			395



<210> 4891  
 <211> 744  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (11)...(596)  
 <223> similar to gi219867 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4891

catcctggga	acagtgtatc	ttttgctgga	gaaccatctc	tgcgtgcaag	agacggccgt	60
ctcctgtgag	agcttcatca	tggagtcggc	caatggctgg	catgacatca	tgttccagct	120
ggagttcttt	atgcccctcg	gcatcatctt	attttgctcc	ttcaagattg	tttggagcct	180
gaggcggagg	cagcagctgg	ccagacaggc	tcggatgaag	aaggcgaccc	ggttcatcat	240
ggtggtggca	attgtgttca	tcacatgcta	cctgcccagc	gtgtctgcta	gactctattt	300
cctctggacg	gtgccctcga	gtgcctgcga	tcctctgtc	catggggccc	tgcacataac	360
cctcagcttc	acctacatga	acagcatgct	ggatcccctg	gtgtattatt	tttcaagccc	420
ctcctttccc	aaattctaca	acaagctcaa	aatctgcagt	ctgaaacca	agcagccagg	480
acactcaaaa	acacaaaggc	cggaagagat	gccaatttcg	aacctcggtc	gcaggagttg	540
catcagtgtg	gcaaatagtt	tccaaagcca	gtctgatggg	caatgggatc	cccacattgt	600
tgagtggcac	tgaacaagca	gaccaacaac	actgaggaag	atagagtggg	gacttagaat	660
taactcgtgc	taaggggtcg	ggggctttga	aaatgccacc	cccctttctt	attgcaagac	720
ggcttctcgc	acatgaactg	catc				744

<210> 4892  
 <211> 1790  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (50)...(238)  
 <223> similar to gi4884190 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4892

gcgtcgacat	tgaggaattc	atggtaactt	ctgaaaattt	aaccgaagaa	taaaattaag	60
agcctcaaaa	tcagtttcca	atggaacagc	taagcctgcc	acttctgaga	actttgatga	120
agatttgaag	tggttagaag	aaaatattcc	ctcttcattc	acagatgtag	ctcttccagt	180
gttagtggat	tcagatgagg	aaatcatgac	cagatctgaa	atggctgaaa	aaatgttctc	240
ttcagaaaag	ataatgtgat	tggaaaccgt	ataagaaatg	tagttaagcc	tgaaggacta	300
tccttcatca	agactgaaag	tgagctttga	tttgatattg	cctaaaaatt	tttattgtgt	360
tatcttggaa	gtctgtgtat	caaaatgaag	aattcagatg	gtaggagggt	ctatagtcct	420

tttaaagctg	actcttgagt	gtcagttgaa	tatccattaa	attggatttg	gaaataacct	480
gaggaaagta	ttatgataaa	gatctgcaca	gatgcctctt	agctgatagg	tgggcaggcc	540
tgtgggtttg	gggttctccc	tcttttctct	ggaacatatg	acaattccag	attaaagaaa	600
aatgtttttt	aataaatacc	cttgggtctt	cttctagtca	cctttgaggt	agatattgtg	660
attttctgga	gtatagtata	tccgtgtctc	tgtgtcttag	gtttactaga	tgcaataata	720
cttctctttg	acatttgtac	tgaagtgtat	tgatattaag	ttaaacagtt	aatgtttgaa	780
tattggcata	tttatagggt	ttttccgctc	ccccccaacc	caccggtttt	taaaaaatct	840
atacaaagcc	cttgtttgag	tctcatcatg	cacatcaa	catggagtta	ggtcttctct	900
gagctcaggg	gaacacaagt	gcacagagag	agatgtcttg	agggtcacta	ccaaagaatt	960
accctcattg	tccctcactc	aggccatgtg	tacatgcatg	gctgctgagt	gtgctggggg	1020
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tactggtgaa	ctttgtggaa	attagaactg	tatcttttac	ataatcttgg	catattacat	1140
ttcataataa	aaacatacat	ttagttgcat	gctacatcac	tattgatatt	ataattaatt	1200
tcttaagctt	caaccatggt	ttatacctta	tttcgttaca	tcatatatgt	gtaatgtgta	1260
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aaggcaattg	aatgtagtat	gatgaaaatg	tgaatgtttt	gctgctttca	tgaccaaaaga	1380
tacagggtcta	gtggacattt	agaataataa	ttaaagctag	agtcttgtat	gtcttttctt	1440
tgaaggagtt	ctaaccctgt	aaattgagaa	tgacttcaga	gaattttgat	taagaaaaca	1500
ttaaaatctt	aaccggcaca	aacactccaa	ttttttttca	ctgtggaagc	cgcaagcaat	1560
tttttttttc	tttttctttc	aaaagcctgc	cttctgaatt	tatttcttgt	ttactcattt	1620
cagagagggg	agtaaagaag	atctatttct	ggtagtcata	tcgcttgaaa	ggtattggta	1680
aaggggttgg	cgagtctgtg	ccatgtggaa	aggggaacagt	gttggcagag	attggggaga	1740
aaatcaggcg	tgtcagggtg	cccttgctgt	gggatatcct	tcctagggag		1790

<210> 4893

<211> 11

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(145)

<223> similar to gi3916257 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4893

gaaaaaaaaa a

11

<210> 4894

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(339)

<223> similar to gi306785 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4894
agtcaatgct gtcagttttt tcccaaattg atatgccttc gccactggct ctgatgatgc      60
cacttgccgg ctctttgacc ttcgtgcaga tcaagagtta ttattgtatt ctcatgacaa      120
tatcatctgt ggaatcactt ctgtagcctt ctcaaaaagt gggcgtctct tgttggctgg      180
ttacgatgac tttaattgta atgtatggga cagcgtaaaa ggagatcgtg caggtgtcct      240
tgctggatcat gacaaccgtg tgagctgctt aggtgtaact gatgatggca tggctgtggc      300
aacaggctct tgggacagtt ttcttagaat ctggaattaa cagtgtccat acatatttgt      360
tctccattga tatatctgga gaaatcaatg ctacagccta tagctgtgaa aaaattctac      420
cttatatttg caggtgaag                                     439

```

<210> 4895

<211> 2111

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2112)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (7)...(888)

<223> similar to gi488196 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4895
cgagtagtga atcgcatgag ccgtttccag aaaagtgctg gactggaaga gattgaacaa      60
gaactgacgt ctaagcaagg aggtcgctgt agccctgttc cagggctatc aagcagccct      120
tctgggtcac ccttgcatgg gaaactgaac agccaagact cctataacaa ttttaccac      180
aacaaccctg gcaaccctcg gctctctcct cttcccagct tgatggtagt gatgcctctt      240
gcacaaatca agcagccaat gacattgggg accatcacca aacgaaccgg caaagttaaa      300
cctcctccac aaatttcacc cagcaaatcg atgggcggag aattttgtgt ggctgctatc      360
ttcggaaacat ccaggatcat gtttgcaaat aatgcaggct tgaaaagaga aaaagatcag      420
tccaaacaag ttgtagttag gtccctgtac attatcagtt gctatggcac cttagtggaa      480
cacatgatgg agccgcgacc cctcagcact gcaccaaga ttagtgacga cacaccactg      540
gaaatgatga catgcctcag agccagctgg actctggtta gaaccctca atggaatgaa      600
ttgcagccac cgtttaatgc aaaccaccct ctgctcctcg ctgcagatgc agtacagtat      660
tatcagttcc tgcttgctgg cctgggtccc cctggaagtc ctgggcccat tactcgacat      720
gggtcttacg acagtttagc ttctgaccat agtggacagg aagatgaaga atggctttcc      780
caggttgaaa ttgtaacaca cactggaccc catagacgtc tgtggatggg tccacagttc      840
cagttcaaaa ccatccatcc ctgaggccaa accacagtta tctcatccag ttcattctgtg      900
ttgcagtctc atgggtccgag tgacacgcca cagcctcttt tggattttga tacagatgat      960
cttgatctca acagtctcag gatccagcca gtcgctctg accccgtcag catgccaggg      1020

```

tcacccccgc	cagtctctga	tcgaagggga	gtttccacag	tgattgatgc	tgccctcaggt	1080
accttttgaca	ggagcgtgac	cctgctggag	gtgtgcggga	gctggcctga	gggcttcggg	1140
ctgcggcaca	tgtcctccat	ggagcacacg	gaggagggcc	tccgggagcg	acttgccgac	1200
gccatggccg	agtcacatnt	agccgggacg	tcgtgggatc	cggaacagaa	cttcagcgag	1260
agggaaagcat	cgagactctg	agtaacagct	caggctccac	cagcggcagc	ataccaagaa	1320
actttgatgg	ctaccgatct	ccgctgcccc	ccaatgagag	ccagccccctc	agcctcttcc	1380
cgactggcctt	cccgtaggta	ccagcaacct	gcttctgact	ggccagcccc	ctccccctgct	1440
ggaggagggg	agaagccccg	ctctggctct	acccttcagt	ctctgctctt	ccttcatcaa	1500
ccaccttccc	caagcttagt	gacagcagcc	gcccatacta	cctggatgga	gaagagaccc	1560
ttctccaagc	acctcagcgc	acttgccctc	tgccacacct	gtcggaggag	gctgtggcca	1620
ggagagactg	tagaagctcg	gtccctgtgt	atgtttgcac	atgacatcct	gcattggatc	1680
cgcttttgta	ttttttaacc	ataccacagc	tggggcgggt	ggggggagcc	tggaacagtg	1740
accagatctg	ggggcctgag	tggggacaga	gttgatcgtc	cacctggcca	ttttgaccct	1800
gagtggacag	tcacagcctc	agctcatgtc	tggctgtgac	acacactgcc	cccagcttcc	1860
cttggtcagc	cccactccag	cacgggggtga	acggaggccc	agagtactag	ggaaggagga	1920
agggaggaca	tgccctcttct	tctccttttc	tttccccatc	tggtcctggg	aagagtttgt	1980
ctttcttata	tttaagcccc	tttaccctgg	tctgtacttg	atcagtgaag	gaaaccgtgg	2040
ttactgaggc	cctgttgaaa	agtgcacgtc	ttgtccaata	aatcacgctg	cagttggtgt	2100
ccaaaaaaaa	a					2111

<210> 4896

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1487)

<223> similar to gi5911314 in the genepept database release 114,

Run with FASTXY 3.3t00; default parameters

<400> 4896

atgcctcagt	tactgcaaaa	cattaatggg	atcatcgagg	ccttcaggcg	ctatgcaagg	60
acggagggca	actgcacagc	gctcaccgga	ggggagctga	aaagactctt	ggagcaagag	120
ttgcccgatg	tgattgtgaa	acccacagat	ccagcaactg	tggatgaggt	cctgcgtctg	180
ctggatgaag	accacacagg	gactgtggaa	ttcaagggaat	tcctggctctt	agtgtttaaa	240
gttgcccagg	cctgtttcaa	gacactgagc	gagagtgtctg	agggagcctg	cggctctcaa	300
gagtctggaa	gcctccactc	tggggcctcg	caggagctgg	gcgaaggaca	gagaagtggc	360
actgaagtgg	gaagggcggg	gaaagggcag	cattatgagg	ggagcagcca	cagacagagc	420
cagcagggtt	ccagagggca	gaacaggcct	gggggttcaga	cccagggtca	ggccactggc	480
tctgcgtggg	tcagcagcta	tgacaggcaa	gctgagtccc	agagccagga	aagaataagc	540
ccgcagatac	aactctctgg	gcagacagag	cagaccaga	aagctggaga	aggcaagagg	600
aatcagacaa	cagagatgag	gccagagaga	cagccacaga	ccagggaaca	ggacagagcc	660
caccagacag	gtgagactgt	gactggatct	ggaactcaga	cccaggcagg	tgccaccag	720
actgtggagc	aggacagcag	ccaccagaca	ggaagaacca	gcaagcagac	acaggaggcc	780
accaatgacc	agaacagagg	gactgagacc	cacggtcaag	gcaggagcca	gaccagccag	840
gctgtgacag	gaggacatgc	tcagatacag	gcaggggacac	acaccagac	acccaccag	900
accgtggagc	aggacagcag	ccaccagaca	ggaagcacca	gcaccagac	acaggagtcc	960
accaatggcc	agaacagagg	gactgagatc	cacggtcaag	gcaggagcca	gaccagccag	1020
gctgtgacag	gaggacacac	tcagatacag	gcagggtcac	acaccgagac	tgtggagcag	1080

gacagaagcc	aaactgtaag	ccacggaggg	gctagagaac	agggacagac	ccagacgcag	1140
ccaggcagt	gtcaaagat	gatgcaagt	agcaaccctg	aggcaggaga	gacagtaccg	1200
ggaggacagg	cccagactgg	ggcaagcact	gagtcaggaa	ggcaggagt	gagcagcact	1260
cacccaaggc	gctgtgtgac	agaagggcag	ggagacagac	agcccacagt	ggttggtgag	1320
gaatgggttg	atgaccactc	aaggagagaca	gtgatcctca	ggctggacca	gggcaacttg	1380
cataccagt	tttcctcagc	acagggccag	gatgcagccc	agtcagaaga	gaagcgaggc	1440
atcacagcta	gagagctgta	ttcctacttg	agaagcacca	agccatgact	tcccgcactc	1500
caatgtccag	tactggaaga	agacagctgg	agagagtgtg	gcttgtcctg	catggccaat	1560
ccagtgggtg	catccctgga	catcagctct	tcattatgca	gcttcccttt	taggtctttc	1620
tcaatgagat	aattttctgca	aggagctttc	tatcctgaac	tcttctttct	tacctgcttt	1680
gcggtgcaga	ccctctcagg	agcaggaaga	ctcagagcaa	gtcacccttt	tgtactgaat	1740
tgtcctcatc	ttgggggggg	tttcaggact	atttttatct	ctgacatctc	tctattgccc	1800
catctaccct	aatgcatcaa	taaaacctta	agccactgga	aaaaaaaaa		1849

<210> 4897

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (113)...(321)

<223> similar to gi212485 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4897

cggacgcgtg	ggcagagcag	catatctcca	tcattggcat	tcaccatcac	tatgaagggc	60
ttcactgctt	ttgccatcct	tggtctagca	gtcactgctt	gggctacctc	gccatatggg	120
acaaagagat	caagaatttc	aactcagaaa	acttcatgaa	ggtaaagtga	ttcagtgtac	180
caggtattct	gaggcatgta	ccatggacta	cacacttcac	tgtggatctg	atggaaatgt	240
atattccaac	agatgtacct	tttgcaatac	cgttgtgaag	agccaagggt	caatttggtt	300
gaaaaattat	ggattgtgct	gaatctccct	gatgcttaag	gatatcaagt	ctcctttggc	360
agattccact	tagataacca	gtttgtcttg	gacggctgag	gaggcaagca	ataatctggt	420
a						421

<210> 4898

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(793)

<223> n = a,t,c or g

<220>

<221> misc\_feature  
 <222> (696)...(174)  
 <223> similar to gi3873871 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4898

tttttttttt	ttctcgccac	aaaagctcat	gattttaatga	ggaacagaaa	caaaatctct	60
gattgttggt	gtttcaaact	tcattggcgt	cctctggcaa	gcacaagttg	atccctctgc	120
agcttcaata	cccttttagcc	tgatgacagc	ttcatTTtaac	agatcatttt	tccttgatgg	180
aggtggcaag	cgtaacagt	ttctgggcct	gcttcagtaa	tggcatgtcg	atcatactcc	240
cttggaaagt	aaaggccccc	tttcctaatt	gttgatgttc	tttaaaggca	gcaatcagtt	300
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ggtaggggtg	aatcacctgc	ttaccagtga	agcccatggc	ggctccttct	cgtgactgtc	420
taagcagccc	agctccatct	cgaaagtcaa	tgtacaccag	atctacggct	tggagaccaa	480
aggctttcgc	tatgacaaca	atcttttgcc	gggcgtagag	aatatccagg	gtttctttac	540
tacttggtgc	acctatgctg	gctcgaaagt	cttctcctcc	aaaaacgact	gcacttagaa	600
agagacctac	ttgaggcccg	accttcaggg	tttcttcaca	cactgcctta	aaattgagca	660
aaccatttgc	agtttccaca	aaagggatta	aattcattgg	ttgttcaagt	tttcggcctt	720
ttaagtggaa	tgaaaatttg	tctgcaaact	aaaatcagaa	gtgaattcgc	gcacacaacn	780
tagggtctcg	at					792

<210> 4899

<211> 3414

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1192)

<223> similar to gi386787 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4899

ggcaggaggg	agggagccag	aggaaaagaa	gaggaggaga	aggaggagga	cccggggagg	60
gaggcgcgcc	gcgggaggag	gaggggcgca	gccgcggagc	cagtggcccc	gcttggacgc	120
gctgctctcc	agataccccc	ggagctccag	ccgcgcggat	cgcgcgctcc	cgccgctctg	180
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agcttcagag	agcagccttc	ccggagcacc	aactccgtgt	cgggagtgcg	gaaaccaaca	360
agtgaagagg	cgccgcgttc	ccggggcgca	gctgcgggcg	gcgggagcag	gcgcaggagg	420
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ggtactctgc	tccggattcg	tgtgcgcggg	ctcgccgagc	gctgggcagg	aggcttcggt	540
ttgccctggt	tgcaagcagc	ggctgggagc	agccggtccc	tggggaatat	gcggcgcgcg	600
tggatcctgc	tcaccttggg	cttgggtggc	tgcgtgtcgg	cggagtgcag	agcagagctg	660
acatctgata	aagacatgta	ccttgacaac	agctccattg	aagaagcttc	aggagtgtat	720
cctattgatg	acgatgacta	cgcttctcgc	tctggctcgg	gagctgatga	ggatgtagag	780
agtccagagc	tgacaacatc	tcgaccactt	ccaaagatac	tggtgactag	tgctgctcca	840

aaagtggaaa	ccacgacgct	gaatatacag	aacaagatac	ctgctcagac	aaagtcacct	900
gaagaaactg	ataaagagaa	agttcacctc	tctgactcag	aaaggaaaat	ggacccagcc	960
gaagaggata	caaagtgtga	tactgagaaa	cactcagaca	gtctgtttaa	acggacagaa	1020
gtcctagcag	ctgtcattgc	tgggtggagtt	attggctttc	tctttgcaat	ttttcttatac	1080
ctgctgtttg	tgtatcgcat	gagaaagaag	gatgaaggaa	gctatgacct	tggagaacgc	1140
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taatgaagat	ctttgttttt	tgttttcatt	aaagagccat	tctggcactt	taatgataaa	1320
atcccattgt	atttaaaaaca	tttcatgtat	ttcttttagaa	caacataaaa	ttaaaattta	1380
acatctgcag	tgttctgtga	atagcagtg	caaaatatta	tgttatgaaa	accctcgatg	1440
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ctcaaagatg	aaagctgttt	catttgtgtc	agcatgtctc	agattgacct	taccaagttg	1560
gtcttacttt	gttaatttat	ctgttgctcc	cttccctctc	tctgcccctc	cttcttgtgc	1620
ccttaaaacc	aaaccctatg	cctttttag	ctgtcatggt	gcaatttgtc	tttggaata	1680
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gtagcttttg	gcagatttgc	aacagcaaat	taatgtgtaa	aattggatta	ttactacaaa	1860
accgttttagt	catatctatc	taatcagatc	ttcttttggg	aggatttgat	gtaagttact	1920
gacaagcctc	agcaaacc	aagatgttaa	cagtatttta	agaagttgct	gcagattcct	1980
ttggccactg	tatttgttaa	tttcttgcaa	tttgaaggta	cgagtagagg	tttaagaaa	2040
aatcagtttt	tgttcttaaa	aatgcattta	agttgtaaac	gtctttttta	gcctttgaag	2100
tgccctctgat	tctatgtaac	ttgttgacga	ctggtgttaa	tgagtatatg	taacagttta	2160
aaaaaaaaagt	tggatattta	taagcacaga	caattcta	ggtaactttt	gtagtcttat	2220
gaatagacat	aaattgta	ttgggaacat	aaaaactact	gaataaatca	tgtggcctaa	2280
tattgaaaat	gtcactgtta	taaattttgt	acatttttga	tcaaagtac	atctcccctt	2340
tgctaacggc	cgtctgctct	caggttgacg	tgggtttgat	ttctaagtgt	ttcacagtgt	2400
ctgtaaatca	agaccaaaga	gcctgtcgat	gagactgttt	attaccagat	tcacttctga	2460
attggccaga	ggaaatctga	atgtattatc	ctgtgtgtgt	ctaggtagag	atattggaag	2520
gctgccaggg	gatttcgaag	tttgcaacct	ttataggata	actgatggca	atattaagac	2580
agacgcctgc	ttttgcaaat	aacttaacaag	actgtaaaatt	ccaaagatct	gaatggggct	2640
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ggctggtact	ttctgtacta	aacatttctt	ttttctat	taccactaat	tttcttttaa	2940
actgtgagcc	gtccaagtca	gaagaagaca	gcaaaaaaag	caacttttcc	aacatacaat	3000
ttacttttaa	taaagtatga	atatttcatt	ttgagaacat	tccttggaat	tgccacataa	3060
ttcattaaaa	acattttttt	aagcaacact	tggaaacagt	tttactttta	atccttaatg	3120
gccttaatta	attctcagat	tcctgcccc	tcacttacag	aaccaattca	ctttagagt	3180
actaaaagga	aacgatagcc	tagctttcta	aagccacgct	gtgtccctca	attacagagg	3240
gtaggaatgg	gtatacctct	aactgtgcaa	agcagagtga	aattcaattc	atagaataac	3300
aactgctggg	aatatccgtg	ccaggaaaag	aaaaatttct	ggcaaatatt	ttgtcactgc	3360
tgtaaaagcaa	aatatttgtg	aaagtgc	aataaagtct	gtcatgcaa	aagt	3414

<210> 4900

<211> 1463

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (145)...(702)

<223> similar to gi3928000 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4900
cgtgtgctcc tcacattcac gcagactgag actgagctgc ccgaggaaga gtgtgaaggc 60
cccaagctgc ccaccgaacg gccctgcctc ctggaagcat gtgatgagag cccggcctcc 120
cgagagctag acatccctct ccttgaggac agagagacga cttacgactg ggagtacgct 180
gggttcaccc cttgcacagc aacatgcgtg ggaggccatc aagaagccat agcagtgtgc 240
ttacatatcc agaccagca gacagtcaat gacagcttgt gtgatatggt ccaccgtcct 300
ccagccatga gccaggcctg taacacagag ccctgtcccc ccagggtggca tgtgggctct 360
tggtggccct gctcagctac ctgtggagtt ggaattcaga cccgagatgt gtactgcctg 420
caccaggggg agaccctgc ccctcctgag gagtgcagag atgaaaagcc ccatgcttta 480
caagcatgca atcagtttga ctgccctcct ggctggcaca ttgaagaatg gcagcagtgt 540
tccaggactt gtggcggggg aactcagaac agaagagtca cctgtcggca gctgctaacg 600
gatggcagct ttttgaatct ctcagatgaa ttgtgccaag gacccaaggc atcgtctcac 660
aagtccctgt ccaggacaga ctgtcctcca catttagctg tgggagactg gtcgaaggag 720
cattcaatgc aagaggacaa tggagcagga tctacacaat tctaaagaaa agcaagcatg 780
actcaaggat ttcctcttca tcctgtgttc ttcattgtaga gagacagcag agaggcagtc 840
agagaatact gtctgataag cccttgaaaa agctgtaggg ccaagatgag atacagagat 900
gactcaaaac agagaatcca ggaatgcata gatcctggta aaaaagggtg gagatgagta 960
ataaattcat ttgtgtagga ttaagactaa tcaactaaca attatattat agaacataac 1020
ataaatatca gaaatcttga cattatctaa ataataaaat gaaaactaat tgagatttgg 1080
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gatgggtttt tctcatactg ttcttgtgac agtgaataag tctcatgaga tatgatggtt 1260
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gcagtttgat aatgaatgaa tac 1463

```

<210> 4901

<211> 1330

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (200)...(633)

<223> similar to gi2996196 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4901
cttctcacca ccacctcta gcagctccct cactggagag gcggccatca gccgcagctt 60
ccagagtctg gcatgttccc cgggcctccc cgctgctgac cgctgtcct actcaggccg 120
ccctggaagc cgacaggccg gcctcggccg cgctggcgac tcggcggtgc tgggtctgcc 180
gccttccccg ggccctcggt cctccaggcc cagcatggac tcggaagggg gaagcctcct 240
cctggacgag gactcggaag tcttcaagat gctgcaggaa aatcgcgagg gacgggcggc 300
ccccgcagag tccagctcct ttcggctctt gcaggaagcc ctggaggctg aggagagagg 360

```



tggcacgcc	gccttcttgc	ccagctcact	gagccccag	tcctccctgc	ccgcctccag	420
ggccctggcc	acccctccca	agctccacac	ttgtgagaag	tgcagtacca	gcacgcgaa	480
ccaggctgtg	cgcacccagg	agggccggta	ccgccacccc	ggctgctaca	cctgtgccga	540
ctgtgggctg	aacctgaaga	tgcgcgggca	cttctgggtg	ggtagcagac	tgtactgtga	600
gaagcatgcc	cgccagcgct	actccgcacc	tgccaccctc	agctctcggg	cctgagcccg	660
ccatgccttc	agcctgcctc	actgctgggc	cagggtcattg	cctatataag	ttggcatggc	720
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gccaaagtgt	acgcgggctt	gcaacgtcat	agttttttcc	ttataggagg	tgaattata	1140
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ctccctacag	aaattaaagg	ctttaggga	aatataaaat	tttaaagggt	ataaggggta	1260
aaacaacctg	catatgctgg	ctgtttgaaa	gttttgctaa	cggagtgtga	tttatgaaaa	1320
ttttatcccc						1330

<210> 4902

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (15)...(372)

<223> similar to gi2232174 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4902

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agcactacat	gttctctcaag	ggccacgaga	cctactccta	ctatgggcct	ctcaactgga	180
tcaccttcaa	tgtgggctac	cacgtggagc	accacgactt	ccccagcatc	ccgggctaca	240
acctgccgct	ggtgcggaag	atcgcgcccc	agtactacga	ccacctgccg	cagcaccact	300
cctgggtgaa	ggtgctctgg	gattttgtgt	ttgaggactc	cctggggccc	tatgccaggg	360
tgaagcgggt	gtacaggctg	gcaaaaagatg	gtctgtgagc	ccgggctgcc	tcctggtggt	420
ggccattgtc	ccccatcggc	ccctcagcct	tgcacccag	cactgagaag	ctacatttcc	480
ttcctgtgct	ctggactgct	gcccttgtcc	ccgaggagt	tcccgcgcag	ccacacctgg	540
caacagcagt	gtgggctgca	gggctccgtc	tgcacgtgga	cttgccctgg	accttgagt	600
tgccctcccc	tttctggggc	tccccagggtg	aggcctggcc	ctgccccacc	atgacctggg	660
tgctctgagc	ccacggttcc	cacggagctg	acttctccgg	ggtgcctgtg	ccctacatta	720
aacccgcgct	ttgtttca					738

<210> 4903

<211> 2299

<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> (196)...(1235)

<223> similar to gi5596646 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4903

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ctttccctcct	tttccctcca	tcccactgta	agcaatttag	tgggattcag	tcattaaaag	120
ggtattaggc	tgaaatgtgc	aagcgctgcc	caagcccagg	gtgggttctca	caggatcccc	180
actgtccctg	tccccagga	accaaagcc	aacagtgtag	cttggaaacac	ccagtgtgag	240
gacatgctct	gcttctcggg	aggaggctac	ctcaacatca	aagccagcac	cttccctgtg	300
caccggcaga	agctgcaggg	ctttgtggtc	ggctacaatg	gtccaagat	cttctgcctc	360
catgtcttct	ccatttctgc	cgtggagggtg	ccgcagtcctg	ctcccatgta	ccagtacctg	420
gataggaaac	tgttcaagga	agcctaccag	attgcttgct	tgggtgtcac	agacactgat	480
tggcgtgaac	tggccatgga	agcgctagaa	ggtttagatt	ttgaaacagc	aaagaaggag	540
aggaagaagc	ggggagagac	caacaatgac	ctgtttctgg	cagatgtgtt	ttcctaccag	600
gggaagttcc	atgaggccgc	caaactgtac	aagaggagtg	ggcacgagaa	cctcgcgctt	660
gaaatgtaca	ccgacctctg	catgtttgag	tatgccaaag	atttccttgg	atctggagac	720
cccaaagaaa	caaagatgct	aatcaccaaa	caggctgact	gggccagaaa	tatcaaggag	780
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aatgccgtgg	cggagagcag	gtttaatgat	gctgcctatt	attactggat	gctgtccatg	1260
cagtgcctcg	atatagetca	agatcctgcc	cagaaggaca	caatgcttgg	caagttctac	1320
cacttccagc	gtttggcaga	gctgtacat	ggttaccatg	ccatccatcg	ccacacggaa	1380
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attaccatgt	gccccctctg	cttcagatg	ttccattctg	aggactatga	gttgctggtg	2160
cttcagcatg	gctgctgccc	ctactgccgc	aggtgcaagg	atgaccttgg	cccatgacca	2220
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aataaagagt	taaactgtc					2299

<210> 4904  
 <211> 1083  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1007)...(458)  
 <223> similar to gi201910 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4904

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ccagagcttc	cttcccacca	cactgccagg	agctgccaga	gcccccatgc	agccccctgac	180
cccagttccc	tcccaggtcc	cagggcctga	ccctggatat	ctggggcaag	gtgctcgggg	240
catagataag	tgaaatggtg	tgcagaggcc	cagtggagag	tcacatctcg	gtctcagcca	300
acagactgtc	ccctagtcct	gacgtcatta	gcaccatctg	agagctggga	tcgctggggc	360
acatccagga	gctgctgcct	ctctgggtgg	cagcaggctc	ccgcccctctc	tcccattcct	420
tgggtggttg	cagccctccc	tgccacttcc	tcctcctcct	ctccctcaga	gaggaggtca	480
cagatctggt	gctgcagctc	tgggctaata	ctgttctcag	ccaacaccag	gctccgcaaa	540
gctgtggggg	aattttctac	catgtccagc	agggtctgag	ctgactgggt	ggtgagccct	600
gtgccctcca	agtctaggac	ctctagggtg	cgactagagg	ccacagctac	agccagcatt	660
cctgccacat	ggtcacccag	ggggttgtaa	tccagattga	ggacgcggac	ctgggagctg	720
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aagagggact	ggatggagcg	gttgggtccg	agagcctcag	ccagctgctt	gatgcggctg	1020
gggctggaca	cgacgcccag	gttaagggtg	aggaattcca	ccgctctgca	aatgatctca	1080
att						1083

<210> 4905  
 <211> 2723  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2518)...(2261)  
 <223> similar to gi5410249 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4905

ccactatatt	tgtaaaagtt	atgtgattgt	atgactacag	ctcttctgtg	gtacctacag	60
gttgatacaa	atcattaaaa	atcaaaacat	caacgtatct	aagaacaaa	tggtgcatgt	120
gactccccgg	agaaggatat	atatgccatg	ttgccacttg	aaggagaatc	ttccaggcat	180

caaatcccg	ggattctctt	atcttcttct	acattccctc	tgcttttctt	cacagtcggc	240
taccacgctc	tgaggagccc	cgtgccatct	ccatttcccc	catccctttt	tcactttgcc	300
tcacaccagt	caaatccaaa	tatccgagag	tcagacactg	ggagactgtc	tgcttcttgg	360
gcaactccca	ggtggttatg	atacgcttcc	cggaaccgaa	cactgacctt	cggaaactgaa	420
atgatgaatt	catgtcagaa	gaaataggat	ttggggaaga	attcattacc	tggaccattt	480
tcagcagctg	gaataaaaag	tacttaacaa	caacaacaaa	aatcacacac	aaagtccaaa	540
aagtgttttg	aaaaagtgtc	ttgagaattt	actgtacagt	ttttttaaac	aattttattt	600
tatgttggct	tctacatgct	cttacattcg	tgtaaaacat	ttatacatat	tctttacaat	660
ttgtacatat	attaaatggc	tatagcataa	acattgttct	atgggatttt	atagaagaaa	720
aatcaagtgg	ggagaattac	ttatgaaaca	ttaacaaaaa	cccgatgat	tgaagaacaa	780
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cgcggttaag	cacctgtggg	agacgggagc	gctcctccgc	aggggtgaga	cgggtggctgc	960
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aaacatagat	atcttttatt	ctggcatagt	tcatgttttt	aagaaagtaa	ttagtaatta	1860
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atgctaatat	attctataac	tgatttgctg	ctgaacagga	aatacctcca	caaaataaga	2640
agagaggaaa	gcattctaaat	ttaaacttct	tcaagtcctt	ggaagcaaaa	ggtgaattcc	2700
tccgctaggg	catcgaactc	gag				2723

<210> 4906

<211> 2693

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (664)...(1218)

<223> similar to gil710175 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4906

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tgaacaacgc	agagctgatg	cagacataat	atatacagcc	ctgcacctgg	gacacacttc	180
cattggattt	aaaagacagt	cctcgtcagc	actgactttc	agctatggaa	tcgcagacgg	240
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gtggagaacc	agcctgggaa	aaaagataaa	gataaagttt	ctctaaccac	gacccccaaa	420
ctggagcgtg	gcgatggcgg	gaaggaggtg	agggagcgag	ccagcaagcg	gaagctgccc	480
ttcaccgcgg	gcgccaatgg	ggagcagaag	gactcggaca	cagagaagca	gggccctgag	540
cggaagagga	ttaagaagga	gcctgtcacc	cgggaaggccg	ggctgctgtt	tggcatgggg	600
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aagcgtccca	tcgtatcctg	tcagacacgt	cggacgagga	ggacgcgagt	gtcaccgtgg	1560
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gagcctccct	gtcggagaag	aagagccctt	tcctgtccag	cgcggagggc	gctgtcccca	2160
aactggacaa	ggaggggaaa	gttgtcaaaa	aacataaaac	aaaacacaaa	cacaaaaaca	2220
aggagaaggg	acagtgttcc	atcagccaag	agctgaagtt	gaaaagtttt	acttacgaat	2280
atgaggactc	caagcagaag	tcagataagg	ctatactgtt	agagaatgat	ctttccactg	2340
aaaacaagct	aaaagtgtta	aagcacgacg	gcgaccactt	taaaaaagaa	gagaaactta	2400
gcaaaatgaa	attagaagaa	aaagaatggc	tctttaaaga	tgaaaaatca	ctgaagagaa	2460
tcaaaagacac	aaacaaagac	atcagcaggt	ctttccgaga	agagaaagac	cggtcgaata	2520
aagcagaaaa	ggagagatcg	ctgaaggaaa	agtctccgaa	agaagaaaaa	ctgagactgt	2580
acaaagagga	gagaaagaag	aaatcaaaag	accggccctc	aaaattagag	aagaagaatg	2640
atttaaaaga	ggacaaaatt	tcaaaagaga	aggagaagat	ttttaaagaa	gat	2693

<210> 4907

<211> 1283  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1248)...(982)  
 <223> similar to gil872200 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4907

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ggaggttcga	ttaaaactgg	aagagaccag	agaagtacag	aacttgagga	agaggcccaa	180
cgggggtgagt	gctgtggcct	tgctgggtggg	agagaaggta	caagaggaga	ccactctagt	240
ggatgatccc	tttcagatga	agacaggtgg	tatgggtggat	atgaagaaac	tgaaggaaag	300
gggcaaagat	aagatcagtg	aggaggagga	cctgcacctg	gggacatcgt	tttctgcaga	360
aaccaaccga	agggatgagg	atgcagacat	gatgaagtac	attgagacag	agctaaagaa	420
gaggaaaggg	atcgtggaac	atgaggaaca	gaaagttaag	ccaaagaatg	cagaggactg	480
tctttatgaa	cttcagaaaa	acatccgtgt	ttcctcagca	aagaagaccg	aggagatgct	540
ttccaaccag	atgctgagtg	gcattcctga	ggtggacctg	ggcatcgatg	ctaaaataaa	600
aaatatcatt	tccacggagg	atgccaaaggc	cgtctgtctg	gcagagcagc	agaacaagaa	660
gaaagacagc	gagacctcct	tcgtgcctac	caacatggct	gtgaattatg	tgcagcacia	720
cagattttat	catgaggagc	tcaacgcgcc	catacggaga	aacaaagaag	agcccaaggc	780
cgggcccttg	agagttagtg	acacggagaa	gccagagcct	gagcgggtccc	ctcctaaccg	840
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gaataggcgg	tactgagttg	tgcagagtgg	gatgtaaata	tcgccttcct	ctccctatat	960
ccctcccatg	aaaaatggct	tcctggccgg	gcgtgggtggc	tcctgcctgt	aatcccagca	1020
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acatggagaa	accagctctc	tactgaaaat	acagaaaagt	tagccaggcg	tggtggcaca	1140
tgctgtaat	cccagctgct	caggaggctg	aggcaggaga	attgcttgaa	cccaaggggc	1200
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ctctgtctca	aagaaaaaaa	aaa				1283

<210> 4908  
 <211> 4159  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (4160)...(1309)  
 <223> similar to gi5725506 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4908

tttttttttt	ttccaaaagt	gttcttttag	tttctaggtg	acatatagtt	gtataaatac	60
------------	------------	------------	------------	------------	------------	----

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taaagtata	aaaataaata	tgttattata	ggcattttatt	actaactata	gtccttcttg	180
gaaggaacac	ccaaaccaat	acttataaag	tacatgtaat	ttatagtaac	atattttact	240
atatacatat	ggaaaaaatc	atattctcac	agaagagctg	aacagacatt	caccaggata	300
cgactgttgg	accagctgct	ggagatggac	ctgctacccc	tcagcagcct	ccccaccaca	360
agacaagtga	tctcaatgtc	cccaaacctg	tgggacctg	ttctacacac	ctcatttttg	420
ttccggcggt	tcctcctcct	tgtgtgattg	tactgatttt	catgagacac	aagttacttc	480
tttacatcca	tattcccaaa	gcagggttac	atggtaggaa	agaaaggaag	ttggagggtac	540
taagctcatt	gtgtctcctc	tagctttttac	cagcatctaa	tgcttcactg	ctttttttcc	600
attgtagact	ttaatgcact	tgaataaata	catggagttg	ttttttcctc	aaaatgaatt	660
acacaaataa	agactgagat	ggtccaaaaa	aggaaagagg	aagccatttg	cgttattttca	720
cgttgctgag	cctttctctc	atgttgaaca	atctgaagtt	ttaattctcg	gtagaaataa	780
tgtataaaca	ttctctgaaa	ccatagcagc	cataaacagt	gctggtcaaa	gatacctattt	840
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gaaacagggg	ttgtaatagt	tctaactttt	tttgacaatt	gctttgtttt	ttctaaactt	1020
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ccattgtgca	aaagtctatg	aaatgtttag	gtttctttta	aggatcacag	ctctcatgag	1380
ataacacccc	tccatcatgg	gacagacact	tcaagcttct	ttttttgtaa	cccttcccac	1440
aggtcttaga	acatgatgac	cactccccca	gctgccactg	ggggcagggg	tggctctgcac	1500
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ttctgctcgg	atcacacaca	gttccaacat	cagccatccc	aagagtatca	catgtctggg	3120
accacacaa	gtcctgtctg	gtgaaaagaa	ttgctgtgtc	atagtgtctt	gcatcccggg	3180
cactgggtgg	gttgtgtctg	ttctgccagt	tgcaaaagtt	ccgcagagtg	agggcagcat	3240
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cccgtccgc	gttccccat					4159

<210> 4909  
 <211> 1816  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1817)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (8)...(1038)  
 <223> similar to gi5565866 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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gcctttcttt	gactctctgg	taaagcagac	ccacgttccc	aacctcttct	ccctgcagct	180
ttgtggtgct	ggcttcccc	tcaaccagtc	tgaagtgtcg	gcctctgtcg	gagggagcat	240
gatcattgga	ggtatcgacc	actcgctgta	cacaggcagt	ctctggtata	cacccatccg	300
gcgggagtgg	tattatgagg	tcatcattgt	gcgggtggag	atcaatggac	aggatctgaa	360
aatggactgc	aaggagtaca	actatgacaa	gagcatttgt	gacagtggca	ccaccaacct	420
tcgtttgccc	aagaaagtgt	ttgaagctgc	agtcaaatcc	atcaaggcag	cctcctccac	480
ggagaagttc	cctgatggtt	tctggctagg	agagcagctg	gtgtgctggc	aagcaggcac	540
caccccttgg	aacattttcc	cagtcattct	actctacctg	atgggtgagg	ttaccaacca	600
gtccttccgc	atcaccatcc	ttccgcagca	atacctgcgg	ccagtgggaag	atgtggccac	660
gtcccaagac	gactgttaca	agtttgccat	ctcacagtca	tccacgggca	ctgttatggg	720
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acacctccgt	ggttcacttt	ggtcacaagt	aggagacaca	gatggcacct	gtggccagag	1140
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tgcacagttt	gctattttgc	ttttaggagg	acaggggact	gttattaaac	aaggccttaa	1560
cattgggtgg	caaagatttg	ccttntttgg	attttaaaaa	aaaaaactag	attgactatt	1620
tatacaaag	ggggcggctg	gaaagaggag	aaggagaggg	agtacaaaga	caggggaatag	1680
tgggatcaaa	gctagggaaa	ggcagaaaca	caaccactca	ccagtcctta	gtttttggac	1740
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tttttttttt	tctatt					1816

<210> 4910

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (561)...(394)

<223> similar to gill184157 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4910

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caaaggcagg	gggccttgtc	caggaagggg	agaggcccaa	gaggcttctt	gtcccttggt	120
gggcagcaga	gccaaatgct	tggtctcggt	ccaagctgc	ctgccctgca	ggggtccagg	180
gaggtcctga	tgagtctctg	cccttccctt	ccagagggcc	tgcttgccag	ccagcagcag	240
ggtgtttggg	gagcacctgt	tcccacacaa	gggtcccttt	agtccattcc	aacaggtgac	300
tccgagcagc	cctgaaggct	tggggagggc	tcctgcctgg	caagtgggcc	tggcacgagt	360
agagggcaga	ggcccgcctt	gggtgaggaa	catcatagcc	aggcgccgcc	gccgtgcgag	420
tagctgtgct	cctggccggc	gacgaagccc	cgcagcagct	cggcctcacc	cccaaacacc	480
aggctctcca	catccacctc	cagctcctct	tggtctgagt	ctgagcgctc	agaggagagg	540
cctgaggagt	ccagactgtc					560

<210> 4911

<211> 1468

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1188)...(779)

<223> similar to gi458726 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4911

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tttttttttt tttgcaactca tagttacagt ttattacagt gaaaggatac agattaaaat 60
cagcaatgaa gaaaggcaca taaggtaagg tccaagagaa cttccaatta tcctctcctg 120
gcagagtctt caggataatg ctttaattctc ccagcaatga tgtgtggcta caatgatgtg 180
tgcacagagt attaccaacc agagtagctc acccatgcct aggtgtccag ggcttttact 240
agggattgat cacattggca tgcttcaactg cccacatggc taacttagtc tcctcagctt 300
gaccttgcaa ggtcaagctg atactgcatg gcccaaggcc cacaggtaaa caaaaacact 360
cttatcagge aagatattct aatggcttag aggttatctc ccaggagcca ggcaggggcc 420
tattctttat ttggaatgtc cagggttcaa acatcccaag ttcatacctgt atcacacaaa 480
aggattaact tcaaaagtgg tattcttggc cagggtgtgg ggctcacacc tgtaatccca 540
gcaccttggg aggtgaggt gggaggactg cttgagacca ggaattcgac accagcctgg 600
gcaacctagt gagatcccat ctctatcgta atttttctaa aaagtgggtat tcttaagtca 660
agttactacc ctgattgatg acagggagag agaccaggaa acccctgtgt tgtaatccct 720
taggaaacct tacaccttta cttgctttat tatcaggtaa tttccaggat gtaagccata 780
cagccagaag gcagggtaca aaggagagga ggcagagatg gtacactcat acagaagctt 840
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caccacccca ggtctgtctg agccaaggac agtttccttg accatgtgcc atgcagagag 960
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cctctcacag ctccagcgat agggttgtgg gcggtgagac acagtcactg tacgggaatc 1200
cttggaacac tccaggctgc aggaaaggct cttcaagtta aaggttggat ggatggcccc 1260
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tacctcagca ggtttgggaa caggcagttg gctgtagttg gtggccacag cagagatgct 1380
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ctcgtgccga attctgcagg cgggcaat 1468
```

<210> 4912

<211> 2144

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1807)...(1484)

<223> similar to gi3947854 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4912

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gaagcttctg aagttaggcg tcaaatagt agtgacaatc ttttttttaa tcttgaaagt 180
ccctagtttt aaagaaagta gaatccatct ggggcatgtc tgcatacacag ggtatcactc 240
aagagtcatc atcaggccaa aaagactctg aagggaaacca ggagggtttg gcccttgctg 300
tggaagatg ctactgaaag tataagagaa caccctaagt cagcgcgcag gcacgaaacc 360
gtaccatgcc ccgctaagac atgggaccag agaacacgtc aacgtcaggc cgctccagga 420
aaaccatcca caaagacaac agaagctaac ccgaggtcga cactgccatg aagagtgttg 480
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gctgaaacgg	cagttaccag	tgtctttact	ggacgcgaac	atccctaagg	acacggctgt	540
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cactgcacca	ggcccagcat	gcctcaagtc	ctccagagcc	ttctcctgag	acagcactag	660
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ggaagcagag	gaggaacgaa	gggcgcggc	agagagagta	acaagtagaa	acttcgccga	1140
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tttcttcatt	tctgtcttcc	cagttactac	caaggagcta	aggaaagtcc	aggaataactt	1260
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cgtccaaggt	gcctgtttac	ttctgggtctg	cgcgggctca	ggtttcaaag	agcttgctga	1500
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ggcctctgag	ctatgacaac	acaggaagac	agagaaaaag	caaagtcttc	ctcagacaca	1920
cgacgacaga	tagccctgtc	ccatccgcca	tgagactcat	gctctcgtgt	ctaaagggat	1980
caccagcca	cctgttaaag	gccatgtagg	tgggaggatg	cccaggatat	cacctgcagt	2040
gagtcctccg	agcaggtgct	gacacgggtc	ctgctccagt	gcccacctc	tacctcatca	2100
gagcaggctg	aaggagggaa	ttccaccacg	ctggactaaa	agaa		2144

<210> 4913

<211> 2834

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(2504)

<223> similar to gil632819 in the genepept database: release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4913

ggcacgagag	cagcaacggg	cagatgtttc	acgcccactg	gttctgcgct	gggacagaca	60
cagtccctcg	ggccacgtcg	gacctctgg	agctgttctt	ggtggatgaa	tgtgaggaca	120
tgcagctttc	atatatccac	agcaaagtga	aagtcattca	caaagcccc	tccgaaaact	180
gggccatgga	gggaggcatg	gatccccagt	ccctgctgga	gggggacgac	gggaagacct	240
acttctacca	gctgtggtat	gatcaagact	acgcgagatt	cgagtccctt	ccaaaaaccc	300
agccaacaga	ggacaacaag	ttcaaattct	gtgtgagctg	tgcccgtctg	gctgagatga	360
ggcaaaaaga	aatccccagg	gtcctggagc	agctcgagga	cctggatagc	cgggtcctct	420
actactcagc	caccaagaac	ggcatcctgt	accgagttgg	tgatgggtgtg	tacctgcccc	480
ctgaggccctt	cacgttcaac	atcaagctgt	ccagtccctg	gaaacgcccc	cggaaggagc	540

ccgtggatga	ggacctgtac	ccagagcact	accggaaata	ctccgactac	atcaaaggca	600
gcaacctgga	tgccccctgag	ccctaccgaa	ttggccggat	caaagagatc	ttctgtccca	660
agaagagcaa	cggcaggccc	aatgagactg	acatcaaaat	cggggtcaac	aagttctaca	720
ggcctgagaa	caccacaag	tccactccag	cgagctacca	cgacagacatc	aacctgctct	780
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tctacttcct	cgaggcctat	aatgcaaaga	gcaaaagctt	tgaagatcct	cccaaccatg	960
cccgtagccc	tggaaacaaa	gggaagggca	agggaaaagg	gaagggcaag	cccaagtccc	1020
aagcctgtga	gccgagcgag	ccagagatag	agatcaagct	gccccagctg	cggaccctgg	1080
atgtgttttc	tggctgcggg	gggttgtcgg	agggattcca	ccaagcaggc	atctctgaca	1140
cgctgtgggc	catcgagatg	tgggacctg	cggcccaggc	gttccggctg	aacaaccccg	1200
gctccacagt	gttcacagag	gactgcaaca	tctgtctgaa	gctggtcatg	gctggggaga	1260
ccaccaactc	ccgcggccag	cggctgcccc	agaagggaga	cgtggagatg	ctgtgcggcg	1320
ggccgcctcg	ccagggtctc	agcggcatga	accgcttcaa	ttcgcgcacc	tactccaagt	1380
tcaaaaactc	tctggtgggt	tccttcctca	gctactgcga	ctactaccgg	ccccggttct	1440
tcctcctgga	gaatgtcagg	aactttgtct	ccttcaagcg	ctccatggtc	ctgaagctca	1500
ccctccgctg	cctggtccgc	atgggctatc	agtgcacctt	cggcgtgctg	caggccgggtc	1560
agtacggcgt	ggcccagact	aggaggcggg	ccatcatcct	ggccgcggcc	cctggagaga	1620
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tgggtggtgga	tgacaagaag	tttgtgagca	acataaccag	gttgagctcg	ggtectttcc	1740
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cactggagat	ctcctacaac	ggggagcctc	agtcctgggt	ccagaggcag	ctccggggcg	1860
cacagtacca	gcccattcct	agggaccaca	tctgtaagga	catgagtgca	ttggtggctg	1920
cccgcatcgc	gcacatcccc	ttggccccag	ggtcagactg	gcgcgatctg	cccaacatcg	1980
aggtgcggct	ctcagacggc	accatggcca	ggaagctgcg	gtatacccac	catgacagga	2040
agaacggccg	cagcagctct	ggggccctcc	gtgggggtctg	ctcctgcgtg	gaagccggca	2100
aagcctgcga	ccccgcagcc	aggcagttca	acaccctcat	ccccgtgtgc	ctgccccaca	2160
cggggaaccg	gcacaaccac	tgggctggcc	tctatggaag	gctcgagtgg	gacggcttct	2220
tcagcacaa	cgtcaccaac	cccagagccca	tgggcaagca	gggccgcgtg	ctccaccag	2280
agcagcaccg	tgtggtgagc	gtgcgggagt	gtgcccgctc	ccagggttc	cctgacacct	2340
accggctctt	cggcaacatc	ctggacaagc	accggcaggt	gggcaatgcc	gtgccaccgc	2400
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gtgcctcagc	taaaataaag	gaggaggaag	ctgctaagga	ctagtctctg	cctcccgtca	2520
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tctggatttt	aaaagttttt	tattatgcat	tatatcaaat	ctaccactgt	atgagtggaa	2760
attaagactt	tatgtagttt	ttatatgttg	taatatattct	tcaaataaat	ctctcctata	2820
aaccaaaaaa	aaaa					2834

<210> 4914

<211> 1602

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(595)

<223> similar to gi3874039 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4914
ctgcagaagt ggagtttggg gtatatccag gagatcgctg gctgccgaac tgtcccagtg      60
gaagttgggt cgaggtacac agatgaggaa tgggtcccaga ccctcatgac ggtcaacgag     120
ttcatcagca aatacatcgt gaatgagcca agggacgtcg ggtacctgac tcagcaccag     180
ctctttgacc agatcccggg gttgaagcag gacatcagca tccccgacta ctgcagcctg     240
ggcgatgggg aggaggagga aatcaccatc aatgcctggg ttgggtcccca gggaaccatc     300
tccccactac atcaggatcc ccagcaaaac ttcctagtgc aggtgatggg gaggaagtac     360
atccggctgt attccccgca ggagtcaggg gctctgtacc ctcatgacac gcaccttctc     420
cataacacga gccaggttga cgtggagaat cccgacctgg aaaagttccc caagtttgcc     480
aaggccccat tcctgtcctg catcctgtct cctggagaga tcctgttcat cccggtgaaa     540
tactggcatt acgtgcgggc tctggatttg agcttctcgg tcagcttctg gtggtcgtag     600
ccaggatagg agctgaaagg gcctgacatg cagacagcat tcatctgttc actaatttcc     660
tgggtcctgg aatctataga gacaagcagg actgaacctg tgtcctgaag agccttcact     720
gcccagtggc agccctgggg ggctgagctc cagcactgga caggcacaga gcaggggctg     780
cccaggaagg agcacactcc aggccagggg tgcattggcag aggaaggtgg ggagagccca     840
gaaggacatt gcagacagac agcctgcatg gggactctgg catcagaaag ccgaatgttt     900
ttgggaaacg ggtgggtcac acaggcaggg gtgaaacatg ggctctgagg ttggctacct     960
gattcaaacc cggccgcgct gcgcacctgc tgggtgactt ggccaggatc cccacttctg    1020
ctgtgccccat atggaaaaga gggcaaggcc agtctctact gccgagggcc gagaaggcgg    1080
tgccgagccc ctgctgctgc atgaacctta gccgctgtca ctgatcccaa ttactctgat    1140
ccttttgccc ttccttccca taacggcctg ctggacgcca cagcctgaat actggagaga    1200
gctgggcatt gccagggtca caggagagag tccgtagaga cctgcgcagg agccgggacc    1260
cctgctgagc agtgggagct ttctgtcatc cccatggctc aaggataacc tacctgcctg    1320
cagagaagtg cgaagggtctt gctggatgac ttttcacccg cactcaccca ggagcaggct    1380
cccaagtga gaaaccacca aaccatcacc agctcctaga agcctccctc ccaccacctt    1440
ctagtcacca tccccagaa gtaatgactc tcaaacctgg gggatttgag gccaggggga    1500
gagccaggct ctatgctttc tgtaattgtg tctcgtttgt gtgcacgcag gtttgtttta    1560
tgttttagcc attaagattt tccccagcca aaaaaaaaaa aa                        1602

```

<210> 4915

<211> 2671

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (308)...(1500)

<223> similar to gi2047349 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4915
cgcacgaaaa gtttggaggc ttagcaagga ggggtggtgcc ggcctccgcc cgggtggtggc      60
agaactgcct gtgcgagcac ggcttccacg tgggctgcgc cgccgggctg catgtcgggc     120
ctaagagaca cgctctacag ctgtgaaatc tgaagttcag gtttgcatth ccttactgct     180
ttgtcttgaa gacagaacga tgccaaagaa agcaaagcct acaggggagt ggaaggaaga     240
ggggccggct ccctgtaagc agatgaagtt agaagcagct ggggggcctt cagctttaa     300
ctttgacagt cccagtagtc tctttgaaag ttaattctcg cccatcaaga cagagacttt     360
tttcaaggaa ttctgggagc agaagcccc tctcattcag agagatgacc ctgcactggc     420
cacatactat gggtcctctg tcaagctaac agatctgaag agtctgtgca gccgggggat     480

```

gtactatgga	agagatgtga	atgtctgccg	gtgtgtcaat	gggaagaaga	aggtttttaa	540
taaagatggc	aaagcacact	ttcttcagct	gagaaaagat	tttgatcaga	aaagggcaac	600
gattcagttt	caccaacctc	agagatttaa	ggatgagctt	tggaggatcc	aggagaagct	660
ggaatgttac	tttggtctct	tgggtggctc	gaatgtgtac	ataactcccg	caggatctca	720
gggcctgccg	ccccattatg	atgatgtcga	ggttttcatc	ctgcagctgg	agggagagaa	780
acactggcgc	ctctaccacc	ccactgtgcc	cctggcacga	gagtacagcg	tggaggccga	840
ggaaaggatc	ggcaggcccg	tgcagtgttt	tatgctgaag	ccgggtgatt	tgttgacttt	900
tcccagagga	accattcatc	aagcggacac	tcctgctggg	ctggcccact	cgactcacgt	960
gaccatcagc	acctaccaga	acaattcatg	gggagatttc	cttttgata	ccatctcggg	1020
gcttgatatt	gatactgcaa	aggaagacgt	ggagttacgg	accggcatac	cccggcagct	1080
gctcctgcag	gtggaatcca	caactgttgc	tacaagacga	ttaagtggct	tcctgaggac	1140
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tggaaagtta	ccgaggctgg	acagtgtagt	gagactgcag	tttaaagacc	acattgtcct	1320
cacagtactg	ccgatcaag	atcaatctga	tgaactcaa	gaaaagatgg	tgtacatcta	1380
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tcattgactt	cgcttccctt	tgtcacattt	ggatgcactg	aagcaaattt	ggaatagtc	1500
agctatttct	gtcaaggacc	tgaacttac	tacagatgag	gaaaaggaaa	gcctgggtatt	1560
atccctctgg	acagaatgtt	taattcaagt	agtctagtgc	ctttgcagaa	tcaaagtcct	1620
actattttat	atgcatatat	taaaagaaaa	gcaaagacct	gagccgagga	gaggatgaat	1680
tcaagtttcc	ttacctgcgt	atctactaac	aaacatgaga	cctccctgtt	acaggtggtc	1740
agttggccaa	atgtactaac	gggcacatga	aagaaagaac	agcaaattac	caagtgtctc	1800
agaaaatgac	aaaaccatat	tttgacaagt	ttatttaatc	cagtgtggta	gaaaaggcac	1860
aattccaatg	tatcatttaa	aattgaatgt	cattaacctg	gctttgttct	ttggaagaaa	1920
caacttcttt	aaagagcttc	tttggctcta	gaaaaatttc	aaacaattaa	aataagaaaa	1980
aatttttaaac	tggtttttta	taatgaaaat	atacatacct	ttgtgtatag	acaagcccat	2040
gcccattaaa	ataaagttaa	cctgtaacat	aaattttatt	aaataatact	tccccacaga	2100
tgagaggcac	gcaacaccta	tggacaaaag	ggagttacag	aggctgctta	aaagatggag	2160
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catgtagggt	gatatttttt	aaaatatcat	tggagaattt	aatcctttcc	tttataaaaa	2340
tagagcattt	ttcctgcctt	tcctggcaaa	agttggggat	aaaaggaaaa	aaagttgtca	2400
aaatgtaatt	ttcagtccca	attcacccag	gaaaacatgc	ttgtgaattg	tgcagtaaaa	2460
ggtggtaaatg	actactggaa	gctaagtcaa	agggtgattt	cccacctgaa	ttttacttac	2520
ttaaataaaa	gttacttaca	atgggagtga	aaaactgagg	tttctgttat	ttagtagaga	2580
aatcaactcc	acgtttactt	aaagagatgg	taaggccaag	gttcaaattg	tactgtgttt	2640
taatttgga	atttgaaatt	tctcttgagg	c			2671

<210> 4916

<211> 1841

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (129)...(698)

<223> similar to gi4240317 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4916

ggagtacacc	tgcggtactc	cttcggaat	tcacgggtcg	acgatttcgt	gcgaagaaat	60
cattgtttta	tgccccgcac	attttatatt	tgtgacgact	agacaatttc	tctggtttct	120
tggttgaggt	gaccaaggaa	gaaaggcaca	ttgttaaacc	tctctatgat	agatacaggc	180
ttgtaaaaca	aatgctgaca	agagctagca	tcactcctgt	ccttggaatc	ccatccacca	240
agcgaagggg	tcagatgtta	cagccaatca	tagaaggaga	aactgcacat	ttttttgaag	300
aaatcaagga	ggaagaagaa	gatggtgtta	atctgtcctc	tgagttaggt	gatatgttga	360
aaactgcagt	acaggtacag	tcttcattaa	aaaactctga	atctgatgtt	gaagaaaatc	420
aagaaaaact	ggctctggat	ctccgattgt	caagttctcg	agcagcttct	atgcctgaat	480
tattggaaca	actttggaag	gccagagctg	aaaaaaaga	actacgcaa	acgttgcggt	540
aatttgaaag	agcattttat	caacaaaatg	gaagggaatg	ccagaaagag	gatcgtgttc	600
cagtgccttg	ggagtacaga	gagtacaaga	aaattaaagc	caagcttagg	cttcttgaag	660
ttcttataag	caaacaagat	tcttcaaaat	ccatataaga	tacgttcctt	gaaaattcat	720
atcataaagt	cagttgtatt	ccttgaagct	atcatcgtgt	gtacttggt	ggtacttaaa	780
ttcgttttgt	caggcactca	gagaatctca	ttttgtactt	ggttggtgtg	ccactaaaca	840
aaacaaatga	tgggagagta	agtaggcctt	ctcaaggag	cgtaagtgat	gttccatatt	900
aaccacagac	tgtcctctcc	accttttagca	aacatatggt	ttacttcatt	gttttgtact	960
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aaatgcaagc	tttttggtat	taccaacttt	ttgtttctca	ttactgaaga	aaattggagg	1080
aaaatcttca	tactgaattc	ttctgttgcc	tttttcttac	agaatgactg	aaaatttgaa	1140
agaaaagcct	ataaaagggc	acatacgcaa	ctgtgttctc	tgttttccta	gaaaacccaa	1200
atcaaactga	gatttcaagt	cgtactatgg	aacacctttc	tgtttaattc	ccaaagtga	1260
atcttctcac	aggtagtatg	ttagtaaaat	tttgcaattc	gctgggcaca	cagctcccgg	1320
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cacacatcac	acacagaact	gaatcatacc	acgtgctgcc	tatgggactt	cagttactgt	1440
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aagtaaactc	gttcttaaca	agggtcttac	cactgcattt	tcacatgtac	cttcaggggg	1680
ttatcttttt	ttttttcccc	tcctatttta	atcagcaaaa	tccttaccac	aacaacgaca	1740
acaacgcctt	tttaaggaac	cacccttggt	gcaatattaa	catgctgtta	aaagcacttg	1800
tttacaggat	gggtaagggg	ttgcccttgg	ttttatactt	t		1841

<210> 4917

<211> 1307

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1159)...(440)

<223> similar to gi5106787 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4917

tttttttttt	ttaaaaagcc	atttatttta	aaaaactggt	ttgtcaaata	acatacatga	60
gcagatacac	aactaccaa	gtggcctgta	atagacacca	gtggggcggt	caccacacag	120
tacctgaaaa	atacagctaa	aaaaggagga	gtctgttgag	tatttaattt	cagatctact	180
tgactccttg	ttgaatggct	ttaagttagc	atatagttag	tgagaggtag	agtcccaagt	240
ataatagctg	atgcctcagg	gtccatttta	aaaacaaaac	aaaaacaaa	ccatttctcc	300
ctctgcacaa	gggaagccta	tcctattttt	tttttctttt	gcgaaaacag	aagccaagtt	360

tctcttctca	aatggttcag	cattcccaat	caaaaagtgg	tgtgtggtta	cctaggtatt	420
gtgcttggtg	agccatttaa	ttttcctcac	cttccgattc	ggattcttct	tctgcatttt	480
gtaaccactc	aacaaatttc	ttcatctggt	caagaaaaac	acttttgctt	ttagcaacat	540
gtgcttcctt	ataccatttc	agtattgctt	cttcgctcag	aacatcagct	ttataaaaaga	600
gaaccacaat	cttctgaaag	gctttcatga	aatggatgtt	gtcgtagcag	tattcctgaa	660
ccttctggag	gaggatcagc	tctgactggc	cttgggagct	gaacacggcc	agcaggggag	720
catattgctt	caggtgcttc	agagcctgct	ctgcaacaag	ttcttccttc	ttgttccact	780
caacagcggt	cattatacat	gtccacagaa	gaccaatcac	tgctgtttct	ggaagatcat	840
tcctcttcat	ttcttctttg	acataaaagca	ccacctcctt	gatcgggcat	tcctgagaaa	900
gacgctcctg	gagctccttc	tgcagttcct	tcctggtgcc	cagggactgc	tggactcgga	960
ggaagtcgga	aagctcctta	agacctgcgt	cagtgaagta	tttagcaaaa	tgatccacac	1020
tctgtctggt	aactggaaag	agttcaagca	gcctcttgct	taagttggct	tttctcaaag	1080
acgaggtaac	agagttggca	tctttttctg	ccatccatgc	tttgaaaagc	ttgacagcaa	1140
atgaggccgc	aatgcctggt	gaaaaacaaa	agagaatttc	attcctttta	cgagcaaaac	1200
caattgtgat	ggtgtgcaaa	gcaaccaggt	ttcctgaaat	gtgtaaataa	ctaaaagact	1260
aattttggta	caaataaaaa	gtcaatagac	ctctaggcaa	attctcc		1307

<210> 4918

<211> 2550

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(848)

<223> similar to gi2529707 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4918

agtctacatc	ggctccttct	ggtcccaccc	cctcctcatc	cctgacaacc	ggaagctctt	60
tgaggctgag	gaacaggacc	tattcagga	catccagagt	ctgccccgaa	atgctgccct	120
gcgcaagctc	aacgacctca	tcaaaaagggc	caggctggcc	aaggtccacg	cctacatcat	180
cagctctctg	aagaaggaga	tgccctcggt	gttcgggaag	gacaacaaga	agaaggagct	240
ggtcaacaac	ctggccgaga	tctatggccg	gatcgagcgg	gagcaccaga	tctcacctgg	300
ggacttcccc	aatctgaaga	ggatgcagga	ccagctgcag	gccaggact	ttagcaagtt	360
ccagccgctg	aagagcaagc	tgctggjaggt	agtggacgac	atgctggccc	atgacattgc	420
ccagctcatg	gtgctagtgc	gccaggagga	gtcacagcgg	cccattccaga	tggtgaaggg	480
cggagcggtc	gagggcaccc	tgcacggccc	ctttgggcat	ggctatgggg	agggggctgg	540
agaagggtatc	gatgatgctg	agtgggtggt	ggccagggac	aagcccattgt	acgacgagat	600
cttctacacc	ctgtcaccgg	tggatggcaa	gatcacaggc	gctaattgcca	agaaggagat	660
ggtgcgctcc	aagctgcccc	acagtgtgct	gggcaagatc	tggaagctgg	ccgacattga	720
caaggatggc	atgctggacg	acgacgagtt	tgactgggcc	aaccacctca	tcaaagtcaa	780
gctggagggg	cacgagctgc	ccaacgagct	gcctgcccac	ctcctgcccc	cgtccaagag	840
gaaagttgcc	gagtgatggg	gtgggggggac	attcagacgg	gcagtgtag	aggaggagat	900
gggagcgggtg	actacacaca	cacacacaca	cacacacaca	cacacacaaa	catgcacaca	960
cacatatgca	tatcttgaca	ttgctctgta	ggagagagag	gaccatgacg	cccacgtttg	1020
cagctgatac	ttgtttgggc	acacctccaa	gttctcggga	ttagaaggac	aagagcactc	1080
ccaggcccca	gagtctaagc	ctaagtctct	atcgctcttc	ccctctcctc	ggccactccc	1140
cagataccag	acctgaggca	attcacttgc	cagcacagat	ggccaaccca	cctccagatt	1200
ccccagtgtc	tccacacccg	ggctctgagc	aaatggaaaa	gacttttcat	ttagtagaca	1260



attcacttct	ttttctgtgc	ttcccctatc	tgctttggct	tcctaataag	aaatccattc	1320
aagagctagg	agatctgagg	gcaggcgggc	agctgcaggg	aggagaggtg	agaaaggaag	1380
cgtcttctag	agacattggc	ccaggagctc	tgttctttcc	taatctaagc	ctctgtcttc	1440
ttcggcaaac	cttgctttga	actctgccag	tatttcattt	taaagaatcc	cagagcgggg	1500
gagagaagag	aaaaaaattg	ataagagtga	ggaaattgtc	ctgtagtcta	ttgaaaacca	1560
gtcaagggtg	ttttagttca	tagattttgt	tagatgttct	ttccacctgg	cctatgatgt	1620
ttagatgttc	atacttgact	cacatttacc	cagccccctc	tgcgtaggag	gagctgtgtt	1680
aggcacttta	tatacattat	tctatgtggc	cctcactgat	gccccaggga	agtatgcatt	1740
agccttccca	ttttgcagtt	gaggaggctg	agtagcctca	gaagggttta	ggcgaccttc	1800
tgaaactcac	agaagtcacg	tgatggagag	aggattcaaa	gccagggcct	cagaccctca	1860
cacacttgtc	tgtgctatga	tgtatgcagg	atcccagcat	tgatacccaa	tgacaaacta	1920
tggagaacaa	gcaaagtatg	caggccccct	gcagcctccc	aggacaggct	ggcaagggag	1980
gagggccggc	cagcatttgg	tgggccatca	gtctggccat	ctgtcacgtc	acagaagcaa	2040
accgtgcctt	ctggctctgc	gccccatatt	cccagcatca	tagacatcca	acagcaccag	2100
caggagagtg	ggctagcctg	ctggatgctg	ttcgtgcctg	tccctgctct	gcctcccacc	2160
cagttgcctg	aatcatccca	gctcagatgc	agccactgtc	tcttgccaag	tgggacctca	2220
tactattctc	agaaggctaa	cttgagaggt	ttggggcctt	gttccccaga	gggtccccag	2280
ggactctgca	gtgtccttgg	caaatcccca	ctgtactcaa	tgccctacat	tctcttctgt	2340
ggtctctccc	ctggcttgct	tcatggccac	tgaaccaatc	actttgtatg	ctatgtcctt	2400
actgtgatgg	aaaacaaaat	gagtataact	tattttatat	ccatattcag	actatataga	2460
gaatattcta	tgcattctatg	acgtgcttac	tactgcagtg	catttgtcat	tagtcttcat	2520
gttaatacac	tacattttatt	aaattggtaa				2550

<210> 4919

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (792)...(393)

<223> similar to gil244515 in the genepept. database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4919

tttagcagtc	tggatactgt	atttctaata	catttactct	gacattcttt	tgaggaatac	60
atggagaact	gacaattggt	tatgttagtt	tacatgttcc	cttgttctta	ttacattaaa	120
cgtatctgta	agaagggttt	gcttagcatc	cccagaaaaa	aaaaaaaaag	gttcacattc	180
tttaggtctg	acccgtggta	aggagagggg	ggattagaga	acatctacta	ctgaccatat	240
ggaagttttg	gatgatataa	attcagagat	tcagaccagc	tgaatcaaat	taaaatgtac	300
atgtaaaaaa	tgtgttagat	aatgggaggc	aggacagaga	gagagccagg	tgagtgggga	360
gtcacgctga	ggcaggacac	agaggcaatc	agactagcat	gtggcgtttc	ctatggaggg	420
caagatggtc	agaacgggag	aagctgcggt	cacagtccgg	gcactggaaa	ggtttgattc	480
cagtatgttt	tcggaaaatgt	cttgtagttt	catcagaccg	agcaaacttc	catgtgcacc	540
cttcccatgt	acattttgtg	ggtttttctc	ctgtgtgtgt	tcttctgtgt	gctttcaagt	600
gggagctttt	agtgtacact	ttgttgcac	catcataatc	acatctgtgt	atcctccgct	660
tcctttgagt	atccgggggat	tccacaggta	aaggctctct	cccaggctgc	acgatgaccg	720
aagggtgatt	ctcttgcaac	aatgcttgcg	gggggggacac	tgagttcatt	aaggggggtg	780
acatttctc						789

<210> 4920  
 <211> 648  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (15)...(552)  
 <223> similar to gi4760400 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4920

tggaactgaa	cagtctattc	aacaacaaat	tgactgacgg	ctgtgcacac	tccatggcta	60
agctccttgc	atgcaggcag	aacttccttg	cattgaggct	ggggaataac	tacatcactg	120
ccgcggggagc	ccaagtgtcg	gccgaggggc	tccgaggcaa	cacctccttg	cagttcctgg	180
gattctgggg	caacagagtg	ggtgacgagg	gggcccaggc	cctggctgaa	gccttgggtg	240
atcaccagag	cttgagggtg	ctcagcctgg	tggggaacaa	cattggcagt	gtgggtgccc	300
aagccttggc	actgatgctg	gcaaagaacg	tcattgctaga	agaactctgc	ctggaggaga	360
accatctcca	ggatgaaggt	gtatgttctc	tcgcagaagg	actgaagaaa	aattcaagtt	420
tgaaaatcct	gaagttgtcc	aataactgca	tcacctacct	aggggcagaa	gccctcctgc	480
aggcccttga	aagggaatgac	accatcctgg	aagtctggct	ccgaggggaac	actttctctc	540
tagaggaggt	tgacaagctc	ggctgcaggg	acaccagact	cttgctttga	agtctccggg	600
aggatgttcg	tctcagtttg	tttgtgagca	ggctgtgagt	ttgggccc		648

<210> 4921  
 <211> 1071  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1072)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1012)...(544)  
 <223> similar to gi6013381 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4921

tttttttttt	ttgcaaatta	gaattctttt	aatataaaaa	aaagtactaa	aataccacg	60
tggttctgct	gtgttatttg	ccctaaagga	agtgaggggc	agagtgaaga	atcccagtgc	120

agctcagtg	gcccagaaat	gggcctttcc	gtaggataag	gcgtgcccac	tccacctcca	180
ccagacttct	atccccctctg	ctgttcccag	cccccaattc	ctgcagcagg	aaaccccagt	240
ggtctggctt	tggcactggg	agtagaaggc	acctgaaggg	ctggctgggt	gagtgaggac	300
aggtgacctt	taaaaacaaa	acgacaccgt	ggggtgggga	agcaggtcat	gcagctgtgg	360
cagctggcag	ggcccactcc	tccatggcac	aggtgggcat	gggatggcca	cttctccaga	420
agtgaggaag	cccagatccc	aacagaatac	tttctcaaaa	ttgttttttg	tacaaaataa	480
atggaaagaa	gatatggggg	ggggtgctgt	ggaggccggg	ccagccaccc	tccccagacc	540
ttagatcata	gcatgtctct	cgggggcaca	gttgaggtgg	gtggaggtgc	tgctgctccc	600
ggaggacttg	caggcccggc	caggggtagg	ctgcagtgca	gccaccagtg	tgtctgagga	660
gactgcccc	aactcgtagc	tgaaggtgcc	atagaaaatg	aggatatcga	tgacacacac	720
ccactcacac	agggctgccc	catgttgtag	ctgagaactc	tcatggacaa	agaagactcc	780
actgaggacc	aggggtgataa	aggcgatgac	agccagcaca	cttcgcagat	agggcacagc	840
caggtccagc	ggggcggttg	ccccttggtg	ggagagagca	cagtgcaggc	aaacaaagag	900
cagccccgca	gggaaggcca	cgccagctcc	aacgtagtgc	agagacctgg	catgatccac	960
ctgaaagtgt	ccaaccacca	agaggcccgc	agcgttggtg	cagcctgtga	tagtccnnnn	1020
nnttngcggc	cgtactgcaa	aatggggttt	catttggggg	gaaccgctac	g	1071

<210> 4922

<211> 1738

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1718)...(1342)

<223> similar to gi4582465 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4922

tttttttttt	ttggggagaa	aattaaacct	tattttat	tataatcaaa	ccactaggaa	60
aatatatcac	agcctggaaa	cagcaaacgg	acaggctata	ttataatttc	aagtaataag	120
ttggtgaaaa	ttcaacgaag	ttgctatcaa	aacaataagg	tgccatgctg	gggcaggaa	180
actgccagct	gcacaagccc	caggcaaaaa	tggtatttgg	taatgggggc	tgtctctcct	240
ttgctctaag	ggagtcagct	catcctagcc	caagtgtgct	actttttctc	ccttgaattt	300
cctgttgcca	ggggtttgtc	tcaattgggc	tctgttaatt	caggggggcta	agtaggcaat	360
gctagggtga	ggctttcatt	ccatatgttc	taataaaaacc	aggttttccc	aaatccagta	420
cttcatttac	tctgttgtaa	tcaagtagcc	aactgtctct	cttttactgt	tcattcctag	480
atactagtat	atatcacaat	caaaaccccc	ttctcttcaa	ggggaaaagt	ttactgcaag	540
attgtcctgt	cattttgtta	cacacagcct	cagggggccat	cagccagtaa	ttctgtctcc	600
cataattagt	gtgtcatcac	ctctcatggt	tctgcacagt	ctccaggctg	aaagatgcag	660
catgtaataa	ttttaagaaa	tgtacatcca	catcttgatg	accagaaatg	gggatccaca	720
aggaacattt	caaagttctt	atccaaacta	gtctacctcc	cagttccaca	tcttaaaatc	780
aacttgtagt	cccttgata	aattacccca	aatcaagaaa	acaaagaccc	agaaaaacttt	840
ctttcccttc	taagttagtg	acctcattga	ttttgtttca	cagcttatgg	aagatgggtg	900
ggtgacactt	ttggtaaaca	ggatgttggc	aacaaagaga	aaatatctct	cctcagactc	960
caccaactct	aacctgccag	cctgttagta	cctgtgtagt	aagaagagtc	tggtaccttg	1020
gagggctctg	gcttggtaca	ggggagagcc	ttactgccag	gacaagcact	ggccacagga	1080
aataataagc	tctaaaactc	tctgttaata	tctctgactc	gatttagcac	cacttttttc	1140
catttcattt	tttagggact	gaaacataaa	ataaccagtg	tccagaggca	agtgacatat	1200
gccttacgct	tgtggccatc	cttcatttct	tcattcgtaa	actttgctta	aaagactaaa	1260

attcccaatt	ccttataaaa	aatatattct	tgccctcagc	cctgatggcc	actggcaa	1320
acttttattt	tccaattgat	aagagagcct	ccttcatctt	cttggtcata	gttgggatga	1380
ggtgcatgtg	gtcatccaca	cacttgggtca	cacaactgtc	cagctgctgc	ttcacctgaa	1440
gtccttact	cccagcatct	attgaatctt	tggtttgtc	gttgcaatgc	atggtgcacc	1500
gggccaggcg	gtcctggaac	ttctccagct	cactgggtgac	caaagcctgg	gcttgagcca	1560
gaggcacatg	gcagcgctcg	atgcactggg	gcacctgctt	catggaggcc	tggtgtcct	1620
cacaacagct	ggcgctgcac	cggaacatga	gaccctgcat	cttccggatg	ttctctcttt	1680
ccagactctt	caccatggac	tccaccgcct	cctgcacccg	gagctgctgc	agctcagc	1738

<210> 4923

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (11)...(415)

<223> similar to gi2588610 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4923

cggttcgggg	ctgtaccggg	gacccacgcc	aggtggccag	tgcatctgga	aacccaactc	60
aatgcccccc	gaccatgagc	gaaacttcgg	cttcacccag	tttgcccttg	agctgaatga	120
gctgacagca	gagctgaaac	ggtcgctgcc	ttccaccgac	acgagactcc	ggccagacca	180
gaggtacctg	gaggagggga	acatacaggc	cgctgaggcc	cagaagagaa	ggatcgagca	240
gctgcagcga	gacaggcgca	aagtcatgga	ggaaaacaac	atcgtaacc	aggctcgctt	300
cttcaggcgg	cagacggata	gcagcgggaa	agagtgggtg	gtgaccaaca	atacctactg	360
gaggctgcgg	gccgagccag	gctacgggaa	catggatggg	gccgtgctct	ggtagccctg	420
gccccggggg	caggaggctc	tggttctcca	ctcctcctgc	ctccaccccc	taccatggac	480
acatgggtga	ggccgggctc	cccgcctcac	tgccttgag	accaaagggg	cagccctggc	540
cctccctccc	ctctgctggc	cagaggggtct	gcatctcagc	ccacccccaa	ccccaccgtt	600
tggggtgaga	agcagaatct	gtgcttcccc	agtctccttg	ccccagacaa	ccagcatgta	660
agacccttcc	cgcttcacca	ttccgattcc	tgtccccctt	gggggtacttg	gggggagactc	720
tggctcccag	gatctgttcc	ctatttcagt	gccttccctag	gacacagggg	actccttgac	780
gctccccagg	ctttctgtgc	ccaggcctct	gtccccagcg	gtgaggttgc	agtgagtga	840
ggagaggagg	tgatctgttc	tccctccctt	tctgcccata	tccagcatct	tcttccccctt	900
ccctggccct	gcagggcctt	ctccagctcc	ctttgggttag	tccctggcca	tccctcctgt	960
cctggatccc	ttctccctaa	ctgcaaaatg	cctgcagctt	ccagctcctt	cgctccctgat	1020
cctcaagcgg	ttccctcccg	tctcagctca	gcggtatccc	cagagtggag	gaggcctctc	1080
catgaggagg	ggagcagccc	aaggcacctg	tctctgacc	caccggcagc	gagtgcgcag	1140
gtgtgagtgt	aagttcatgt	aggagagtgt	atgcgtgtgc	gcctgtgccc	tgcttgcagg	1200
caagcagggc	tccctcatgt	agcccggcct	tccccctgct	gggggtccac	cacatcgctg	1260
ctctttctca	cagtctgcct	ctgatgaggg	cgaattgcta	tgacattcca	agctccaata	1320
aagactgtcc	cagactttga	aaaaaaaaa				1349

<210> 4924

<211> 1021  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1001)...(604)  
 <223> similar to gi3955266 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4924

tttttttttt	ttttaaaggt	acaaatttat	taaaactttg	cagttaacaa	ttattgaaga	60
aattagtatg	ttaactataa	aaacctagaa	gtcccaggaa	ttagatttca	aaggatttgg	120
tttcaaagaa	ttccttataa	gtgattttta	ccattacatt	ctttgttaaa	ctgggacttt	180
ttctactttg	gggattat	tgccccagct	gtggccatgt	ttaaaattag	tcaggcaggc	240
acatgaagtt	gtgggagaga	tgatgaggtt	cgcactctta	tccaagtttt	agcaaatagg	300
cactgtat	cccattta	gggaatgcag	tttcttctgc	ggttctttgg	cataaagagg	360
ctctagactc	cccatttctt	tcaactcaagg	aagagccatt	tgcattcttg	tcctcacacc	420
tgagtacttg	tcacaagtta	aaacactggc	caaataacca	cctcaggact	ccttgtatgc	480
attcagataa	aaacgtcttg	gggtgggggaa	gggtgctttcc	ctcagttctt	gttctcacac	540
atctgtcatt	tagttgggtca	cagttgggca	ggtagaagcg	ggttaaaagt	tttaaaactc	600
ataataatcg	tgtccagaga	taaatgaagg	ctgttggtta	caagcatgac	agaaaagcct	660
ggaccagctg	ttttctccaa	aaagccagtg	gaaagggggg	cctgaagaag	tgacaaaagc	720
catcccagcc	gccctgagcc	tgacagccag	cgcggtgctg	ccccatgagc	cgcgagctca	780
gcaaggccac	caggcgctgg	cagtcgccgg	cgacgtcgcc	ctcctgctcc	tttagccgcg	840
gctggaagcc	ccacttcttc	caccgggcgg	tcaccagcgg	ccctctctcc	agcagcgctc	900
ctgcgaaggt	cacgagcgtc	accactaagc	cccaggtggg	gccgggggctg	tcggagagca	960
cggaatccgc	catcagcgcc	accagctcga	agcggttccc	ggggtagccg	aggtaggcgg	1020
a						1021

<210> 4925  
 <211> 1283  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (113)...(835)  
 <223> similar to gi4929321 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4925

acagaggcaa	cggctagggg	agcggaggtt	caagccacat	gtctgcgtcc	tcggggggcca	60
gagcccgcca	gccctcgagg	atcccggtct	gcggccagcc	cgagcggctc	gggtttttaa	120
aatcaatttg	attggccaca	ggaaacgtat	tttggcatct	ctgggagaca	ggctgcacga	180
cgatccccc	cagaagcccc	ctcgggtccat	caccctcagg	acaggagact	ggggagaacc	240
ttccattacc	ttgcgacctc	cgaatgaagc	cacagcctct	accccggtac	agtactggca	300

gcacaccca	gaaaagctta	tcttccagtc	gtgtgattac	aaagcttttt	atttaggttc	360
tatgctgata	aaagagctta	gggggacaga	atcaacccaa	gatgcttggtg	caaaaatgcg	420
ggctaactgt	cagaagtcta	cagagcaaat	gaagaagggtc	cctactatta	ttctttctgt	480
ctcatataaa	ggagtcaaat	ttattgatgc	aacaaataag	aacataattg	ctgagcatga	540
aattcgtaat	atctcctgtg	ctgcccagga	cccagaagac	ctctcaacat	ttgcctatat	600
cacaaaagat	ttgaagtcta	atcaccacta	ctgtcatgtg	tttactgcct	ttgatgtgaa	660
tttagcctat	gaaatcatcc	taaccctggg	acaggcattc	gaagtcgctt	accagctagc	720
actacaagca	agaaaagggg	gacactcctc	cacacttcca	gaaagctttg	aaaacaaacc	780
ctccaaaccc	atccccaagc	cccgcgtag	cattcgcaag	tccgtgcaga	tcgacccatc	840
tgagcaaaag	actctggcca	atctaccgtg	gattgtggag	ccgggccaag	aagccaagag	900
gggcattaat	accaagtatg	aaaccaagat	tttctgatac	tcgccgtcct	cctgtcctcg	960
cgggtgccttg	ctcgccaagc	gggtcccgag	caggctttcc	ttcgcgcttc	cgcgccacc	1020
cagcccagga	ggaagactgc	tctgagcgtg	cggccttggt	acgggcgaaa	ggccactggc	1080
cattcctggg	gaagttcttt	ctgcaccagt	gatggaaaac	gcaagacttt	ccagtcgcaa	1140
cccctgagag	gcgtgagttg	agatgggttt	tccctgatgc	tcccgactcc	cctccccacc	1200
acctaccaag	gtattttctga	tgactccgcc	ccagtacttg	ctttgcttca	tttggggaaa	1260
ataatacctt	ttctttaaaa	aaa				1283

<210> 4926

<211> 972

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (112)...(496).

<223> similar to gi407097 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4926

cgctctctcc	tgagcataaa	ctcctcacca	cattcacctt	ggtacccact	gctgcttaca	60
tggctcctgc	tccgtgggaa	cgtcccgcag	atgttttcct	aaccaagggtg	ctttcccggtt	120
gcagatcgtg	gcaggttgat	cggcggcttg	cctgacgtgg	tgaccatcat	ggaaggggaag	180
accttgaatc	tgacctgcac	gggtgtttgga	aaccctgacc	ccgaagtgat	ttggttcaag	240
aacgaccagg	acatccagct	cagcgagcac	ttctcggtga	aggtggagca	ggccaagtac	300
gtcagcatga	ccatcaaagg	cgtgacctcc	gaggactcgg	gcaagtacag	catcaacatc	360
aagaataagt	atggcgggga	gaagatcgac	gtgacagtga	gcgtgtacaa	acacggggag	420
aagatcccgg	acatggcccc	gccccagcaa	gccaagccca	agctcatccc	cgcgctctgcc	480
tcagcggcag	gccagtgaag	gcgttttcct	agcctggaga	tgggaaaata	tgcttggcag	540
agacaggaat	gctgtgtgct	tgttccaaat	gagcagctgg	catccgagtg	gtgtcctgtg	600
tgggctgata	gttgatcaca	cattgtgctt	ttgatttttg	catttgggtga	tgaatatattt	660
atacccgctc	aaggggagaaa	gctaattgtt	tccacaagac	tgaacaacgt	gtattttacac	720
gagggtagac	ggcagatgcc	tgacagagag	tgggttgga	gacaacacac	tagcattttc	780
acgggtgtgg	gcacatgggt	gtggcacctg	gacgtgtgca	gcatgtggcg	gtctgtgtga	840
agccaccgtg	cttctctttg	gggggcgcgc	agatctagca	tctctgaaat	cctggctgtc	900
gaggctttga	agcatgtgtt	acctgggttaa	gcttgttttc	tcttgcttta	ggcaaataaa	960
agtttaaaaa	tc					972

<210> 4927  
 <211> 2002  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(137)  
 <223> similar to gi3228374 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4927

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cagaagaaga	agaagaaaac	caaatggcgg	ggagaccggg	ccacaggcac	ccacaaaactg	120
caatgtgtga	tcttgtgaca	ggcctgaggc	cctgggcaca	gtgacggtgg	cctggccagc	180
cctcgggacc	cctccccacc	taactgcact	gaaaccattt	ctaaccacaa	cccttggccc	240
aaggacttgg	tacaggaagg	gagaagggca	ggtagggcagg	gagcagacag	gggtctggctt	300
tgcccagagg	gcacgggctt	tcccacctct	caaagagaca	aggaagccac	ctgtaagcag	360
aagcagcatc	caagtgcacc	tggccccccc	atgtgttgat	tcaaccgggt	tcctccccct	420
ctctcgggtg	gtgtgttggt	tattgtaact	acatagtgtt	ggtttgatgt	ggaagtgttt	480
atccacatac	aaagtacaaa	acaagccatg	aacaagcttc	tttcccttac	cccccatcca	540
caatgtctga	gcttgggatg	tcttttatag	atttttaa	tatttttagtg	attattattt	600
tattaaaggg	gtctgggctc	actgcctggg	gaagtttcaa	gtgttcagca	gacctctctg	660
gtaacatac	tggaatattg	ttgtgtttt	ttaaccgagt	tttcccatca	gtgccaaaag	720
tctactcaat	ctgaaagtag	agtgtctgag	aggacagaag	gtaatgggaa	ctgtagctgg	780
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aaaacagatt	gtatttttgct	gaggggagtg	gctgtcatga	gcatgtcagt	tctaaaaggg	960
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tccagttcat	gctggatctt	aaccaaaaat	gattcaatac	tggtatcact	aaaacagcac	1260
caagacctga	agccatcttc	ccttgaggtc	aactgactac	cacctctata	agcctagtca	1320
atgagcagac	cccttccagt	atttgtaaaa	gtagtactag	gttgcccttt	tggcaatttt	1380
tattgacctg	ttgaatcttg	actataaaat	gatctgagaa	gtaaggaagg	ctgggctgat	1440
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cccccgcccc	cccacctcag	gtgctgctgg	tgtgagccaa	agactggagt	ttttccagct	1560
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gaatatcctc	agcagggtggc	ctggccactc	tggagaaaga	aaccaagga	aagtgagcac	1740
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tcaccagcac	tgagggggccc	agctggagaa	tgattctgct	acaaaaggag	acagttgaga	1860
cttttgcttg	ttggaaatca	aacttcttat	ttgtctaaat	tgcccctttt	tctgttccta	1920
aaaggaagga	taagagagaa	cattccaggt	gaggcacttc	aaagtttcct	tagacctat	1980
agtgttaaga	ggatattttaa	ac				2002

<210> 4928

<211> 1057  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (43)...(677)  
 <223> similar to gi4559368 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4928

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tcagacagcg	acggtacggg	tgactccagc	tatgccagag	tggtggggtc	ggacgccgtg	120
gactctgcac	agtcctctgc	cctctgtccg	tctcttgacg	tggtggggtc	agatgctgtg	180
gactctggga	cctgcagctc	tgccctttgt	ggctggggag	tgacacacgc	aggtataggc	240
tccagactcc	tcaccaagat	gggctatgag	tttggcaagg	gtttggggccg	acacgcggaa	300
ggccgggtgg	agcccatcca	tgctgtggtg	ttgcctcgag	ggaagtgcgt	ggaccagtgt	360
gtggagaccc	tgcagaagca	gaccagggtt	ggcaaggctg	gcaccaacaa	gccccccagg	420
tgccggggaa	gagggggccag	gcctgggggc	cgcccagctc	ctcggaatgt	gtttgacttc	480
ctcaatgaaa	agctgcaagg	tcaggctcct	ggggccctag	aagccggggc	ggccccagcg	540
gggaggagga	gcaaggacat	gtaccatgcc	agcaagagtg	ccaagcgggc	cctgagcctg	600
cggctcttcc	agactgagga	gaagatcgag	cgaaccacgc	gggacatcag	gagcatccag	660
gaggctctcg	cccgaacgc	tgccggcat	agcgtggcgt	cagcccagct	gcaggagaag	720
ctggcaggag	cccagcgcca	gctggggcag	ctccgggctc	aggaagccgg	cctgcagcag	780
gagcagagga	aggcagacac	ccacaagaag	atgactgagt	tctagagacc	ccacaagcac	840
tatggacgaa	gcgtgggacc	ccagcacggg	ctgccctcag	gaagaccagt	gttgcccag	900
gaggggcccg	cctgctggcc	tggggcgtgc	ggacactgct	gagtggagac	agagctgcgg	960
ggtcccatct	ggacacttac	ttgccacact	gccagtgtct	tgggcatttc	cttggcaagg	1020
acattaaagt	gatttcacat	cagtgtcaaa	aaaaaaa			1057

<210> 4929  
 <211> 4061  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (4062)...(2827)  
 <223> similar to gi577307 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4929

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ggaaaaacta	aagttccctt	tgacacccgg	cacctcatca	caacaccctc	ttggtgtgga	180
tgccatgggg	ccatgctgta	gtcaaaagtt	aaatgaaaaa	ccacaagttt	agtttgactc	240
cgtctcctag	ggtggatttc	attcagatat	ttgttcata	ttataggagg	gtggatccta	300



gcaaggcaac	agtgtagttt	ttacattcac	agattggctg	aagtagtaca	aattgagctg	360
ctaactctagg	tgtctccctc	cctgttacca	tacttcataa	gaaatgtgaa	ttaaaatgaa	420
caatggacca	caggtgggta	taaaaataga	taactcgcag	agtcataaat	atctacagtt	480
agtagagcag	aaactttctaa	aattttacctt	tttcataat	gtgcagaata	tcctaagtat	540
gttcaagaga	cacagtcagc	agacttcaga	gtggtaatta	caagggcatt	tgtaaagaaa	600
taacactcga	gtacaaaccc	agagtaagaa	gctgaatgca	gatgaaaata	cgaaaaacac	660
gcaaagttcc	aactcctcac	atctcattat	gctacttact	agacaccaca	attagcttac	720
agccctttat	atatctttta	aagtaacttt	ttgttacctg	tgtacaaact	ttaacaaaga	780
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taactgtaat	ggattctgaa	gccaatctca	tttaaaacag	tacagtaaat	cccattctaa	1140
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caacagtgtc	accttaaagc	ttcatcaaag	attcacagca	ggcctgaact	gtaaaagttc	1260
agaaccaaca	atgccacagg	tagttattea	tcctaatttc	tcgcagggag	tgaagggtct	1320
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tcactttatg	tatgctctgg	atggctctga	agacaagaca	acatctcttg	aactggctctg	2880
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<210> 4930  
 <211> 4741  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(4742)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (4741)...(505)  
 <223> similar to gi5689487 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4930						
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ccaccctct	cccatccctg	ccgtgctggc	acctgcagct	gggtggaact	ggcaggggct	180
gatcccctgg	agggctgacg	ttctcctgca	gggtgggctg	cctgatctcc	ttcggggctc	240
aactgctgat	gcctcctcac	ccctcacaca	cccatctctg	ccatctgctc	acatgcaagg	300
tcattctgtg	ggcctgtcca	cttaacttag	caggctgggg	gcgggggaagg	agagcagtgt	360
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aactgggaac	tgtcctctca	tagctgtatg	tcaccagggc	agggctacct	ggatgccccat	2400
acctgccttc	ggggcacatg	gtgtaggagc	agccctcgtg	cccttcctcg	cctgccttgg	2460
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gctgcagttc	tgtggccacc	ttgtcctcgc	agaatttccg	catggt'aaga	gtggccagtg	3960
cctggctccg	ccctgcagag	atcttgtctg	agtgcagtga	ggcagaaacg	atgaccccaa	4020
gcttgccctt	gtttcccttg	cagtatagta	cgaccacgtg	ctgtgggtca	gcactgagcc	4080
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gccagccgaa	gtcttgaacc	ttgggggtta	agcgggtcag	gtcatgcctt	ttctctgaaa	4200
ggttgaagag	caggtacttg	tcccggtgct	tggattgcag	cacatggggc	agctcgcgca	4260
gggtggccccg	gtgccgctgt	tcatcgggcc	gcgcggggaa	ggcggcgggc	aagatgcgct	4320
ccgtcacgta	ggtgaggtct	aagtcccagc	gccgtcccat	gagcgggtcc	aggctgaagc	4380
tccctggcag	agtgtgcgc	tgttttgagt	ggttcagaga	tttgggtggat	cccagggtgct	4440
ctatgcgcct	gactggggcc	gtgtttcgcc	gcaactccac	gggaggcaag	gcctgacagg	4500
ctgaagtcac	ctttgtctca	cattttctgt	gcgtcgccac	cttgacagact	ctgcacgaaa	4560
cgctgtccc	atcgatggtc	acettacata	ctgcacagac	tggaggtttc	ttccggaaaa	4620
ccttctcccg	gaagctatga	ggctcagctt	tcctaggctt	catggctctc	ctgggtctgc	4680
tctcgtgnnt	tccacgcnet	cngaagtggg	ctcgattnnn	nnncncccg	gnnccttccc	4740
c						4741

<210> 4931  
 <211> 3034  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2522)...(1849)  
 <223> similar to gi2981435 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4931

ttagttctta	gaggaaaagt	gagacacaaa	agaataagag	acaggatagg	taggaaggaa	60
accttagact	gtgtgaatct	attctttgct	aacaacagac	gctacaaaaa	gttctcattt	120
gaaatatctt	gtcaagctac	agacaacacg	ttttcttgac	atgattttta	taaaaaatac	180
agctgacata	acagattaca	tgaaactata	cacaatgaca	ttctctgcat	agtaaccaac	240
actgatgtgt	gtacttgaat	ttttaaatgg	attatttata	atcctttaaa	gtgcaattta	300
ttgaaagggt	taagcaaadc	aggataaagg	atctttctaa	taaatgacta	acattaaaga	360
gatgctatat	tgatatattt	agataaatct	ttcaaaaatc	ataattgatt	tctatagatg	420
ccaaatttac	ttctgttgta	acaatgacct	gccccctca	aaccccaaac	ttaattgctg	480
aggattaaga	agatcctcta	attggcaaga	gctttttctg	atgttaatat	ttttgtctgt	540
ttcaatacac	ctaactaaaa	agaactatgg	gtctagagta	gttgctttag	cagccctgag	600
ttctataacc	acaatgggat	tcctgttaga	acttaagaga	atgttgtaga	cgttcccat	660
tctatttgag	gagaaaacaa	agaactcagt	tgctttctga	tttagcaaag	taactatgct	720
ttgggctata	gtgttaaatgt	ctaagataaa	ggtagcaaaa	attggagtta	tctaagaatc	780
agaaaatgct	ttagagaaat	gaactgtaag	aggaatgttt	ctaggagctg	tctgatgggg	840
tagaagggat	tgcaacacaa	aggccattta	ctgctgtgat	tgaatattgt	cattgttttt	900
ctgtctatit	cctttagttg	gtgaaaatat	ttcaatatgc	tgctgtccca	aaagcctggc	960
cattagagga	taaacaagac	tcctttacag	ggtaataaaa	ggagcaagat	cttaaggagg	1020
caatgccagc	ctaactttat	tctgcttaaa	gaattatttc	tctcgaaaaa	gctgcttaca	1080
tgagcatctg	caaaatagta	ctgtttgtgg	ctgtactggc	tcagcaatta	ctttccccag	1140
gaagaggggt	gtttgggggg	taggggtgag	taggaataaa	aaagaacttt	tccctccaag	1200
tgtaaacagg	aagcttcagc	cgatcttcgg	agcactgtga	tcacagggtt	tggctttcct	1260
caaagttcct	ttttggaaat	tctggatgga	gctgagcaag	gccccctcgg	tcagccccat	1320
tcacagcctg	agacgagagc	tgggcagggtg	cctcgggtgt	cgcaggaggc	aaggaggctg	1380
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gagttggcga	tgacggggac	gtgagagggtg	agctggcccc	agatcctgct	gaattattgg	1500
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cagaagtggg	tagtaaaaaca	tcgctgaata	atggcatctg	taagagccgg	gagatggtag	1800
gcatgccatt	tttacaggct	tcacaagaca	gcgtagactc	caacacggcc	accacagcca	1860
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tgaattgtga	aaaataagat	cggtagaagg	aaggcaggcc	caataaggaa	ttctcaagggt	2040
ccagcagccg	gcaagtgtcc	ccatcgagca	tcacattgga	ggcgtgaaga	tgcccataag	2100
ggaatccctt	gtcatgaaga	aacttcagta	cctctaatat	ttgccgtcca	tatgttttta	2160
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ttagcaacgc	tgaggattca	ttagctgtgg	caaaggtaac	ccgatagatg	taagggtgca	2340
aacaagaagg	cagaagtttg	attagacact	gaaaatcttt	atctgacaaa	tacttgtctg	2400

ggccaaggctc	agcccagctt	aacactagcc	gttcctttgg	ctgattttta	atcttcatca	2460
agaaatattt	cttccttatt	ctccaaccta	tgtctttcaa	aggttccacc	acctcccact	2520
ttggttctga	tcggaagaac	atggaaacct	gttgcaaggc	aatctcagta	tagtttgccg	2580
aatagttggt	tggatctaaa	aacttcttaa	ccagctcaca	attagacaag	atatgatttg	2640
ttgtgatcac	gttgagatag	ttctgaagac	ctttctgcct	ttcagctatg	aattcacgat	2700
ccatgttacc	aatcaatttt	ttgggaggaa	gaggtagact	taggcctgca	atctgtaagc	2760
tgttgtaag	caaatacaag	tactgtatc	ttctaacaat	ctgccagctg	ttttccacag	2820
aaattcctct	ttgcactcga	ataatatatt	ccgtgtggga	ctgcaggctc	tggctcgctt	2880
cgatggctgc	tgtcagcggc	accgtgtcgt	ccagcagcac	cttgccggct	ggcggttctt	2940
ccatgaaggc	catccgggga	cgcccgccg	ccgccgccta	gggacgcgag	gtaggaaccc	3000
gaggcgccga	ctcccgccgc	ccgccggac	gaaa			3034

<210> 4932

<211> 1461

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(248)

<223> similar to gi2290725 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4932

cataatagcc	atcgacttcg	gggagcaggc	cttgaaccgg	ggcattgctg	ctgtcaagga	60
ggatgcagtc	gagatgctgg	ccagctacgg	gctggcgctac	tccctcatga	agttcttcac	120
gggtcccatg	agtgacttca	aaaatgtggg	cctgggtgtt	gtgaacagca	agagagacag	180
gaccaaagcc	gtcctgtgta	tgggtgtggc	aggggccatc	gctgccgtct	ttcacacact	240
gataggtgag	gccgcccacc	gccactgacg	aatctagctt	tggcaatttc	ttattccttt	300
tcattgattt	aaatgtattt	attgagataa	gtggtttctt	cactaattat	caaatgtttc	360
ttatgaaatt	ttcaggggat	agaaggaaa	cgcttgtgct	cctagcttaa	gacaataatg	420
tgttttttct	ggggagctgt	agttttgtgt	ctctgattcc	caaagtgaag	agcagtgtat	480
tcattagtag	gcgattacat	ctaggaataa	catttggtta	ggccaataaa	atagcagggtg	540
ctttcgtag	agatatgtgt	gcgtcattgt	actgggtcat	taaactctta	gaataaaaaat	600
agaatgactt	attagaatt	aatgcttatt	agcagtgaga	acaaatgaca	gattgttcta	660
tttattaatt	tgttctagga	tcttattcta	ttttattcaa	agacaagact	aaatgctctt	720
gtgatagcat	tcctttcccc	atgaaacaac	aggaaagctg	tatccatacc	atacagtgc	780
tggccctccc	agtttaaccc	aagaccccct	ggaaaagcag	ctctccttca	gggctggagt	840
tectgtgct	gctttcttgg	tggggataaa	agccttcagg	ccatgacttc	cgctgtggct	900
ttaaaacagc	tttgcttacc	tggcataaaa	attgagtgtg	acctctactg	aaaccagtta	960
cataaaacac	tgtgaatgac	acttcataaa	cccattgtgt	accttaaaat	tgttactgat	1020
tgtttaagac	gcgtgactgt	cagtgggtgaa	taaagggaacc	aaaagattaa	cccagaccgt	1080
ttacagtgtg	tttgcattgg	agctaattgt	tactcacata	actgcgaatc	tgaaagtaaa	1140
taaggtaagg	cctttgtggg	tttccttttt	aatgtgacat	aaaattttgt	gctaagaaca	1200
ttgtggaaga	gagcgcacat	gctgatggac	cagacattca	gccaaagcgt	tgatattgat	1260
cctttaattt	gtgctcagag	cttcagggca	tggagttaaag	aggagctgcc	tctcatttcc	1320
tcagtttatg	ccctgaaggc	taactgtgga	ctgagtattt	gcacatgtac	ttgtatttga	1380
agtaaatctt	tgctacattt	gacctgagcc	atctttcaaa	aatacatgta	cagtatttgg	1440
gaaaaaaaaa	aaagtcgacg	c				1461

<210> 4933  
 <211> 1065  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1066)...(478)  
 <223> similar to gil322603 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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<400> 4933
gaatccctat gttaaacccg tggtttctca tgaattagat cataatttaa cattgtaaaa      60
tttcagaaac tattgtgcta atatttagat ttcaggaagg aatcagacta aatcaattac      120
ctccattcat tgtagaaca gaagatataa tagcttacta actgatatga gttatgaatg      180
tcactatgac acaaaatttg ctgtgatttg ctaatctggc tacaagtgca gtatttttca      240
tgaatgacaa cacacagcat ttccaacttg taacatgaaa ctccagctca taaagagtgt      300
attgtgtgac ttgaaaaagt ctgattgtaa ctaagtaaca accgttcccc tgaaaaaacg      360
aacaaaatcc attaggaaat caggcacaga cggattgat cggtttttct tcctttcctc      420
ctgtgggttt gtttctcaag acatataggt ggttccaaca gaagccaaca cttgttacia      480
aataacacag ctattttttt ccttttcttt ttctttatct tttctcgtg gttccttccg      540
tttacgttca ctattcccag attgtcttcc acttgatgga gaggttggtg ctggctggcc      600
ctgctgagcc tgtgtagaag cagcagcagc agcagctgct gcttgttcct gttcctgata      660
gtattgagaa gcccgctctgt cctcttcttc ttggagtttc tttgctagtt ccaaactact      720
gattccttcc gggatttggt cccaattgat ctcttggttc tgetgttctt gttgtagaga      780
taatgccata agataatcct gatctatctg atcttggtgt cctttgtata cagtttcagg      840
atctgaagga ggtcgaagat gaaattctga gtcacagaaa ttccatcac catctacgtt      900
gtgtaggctt tcccaaacia ctttctcttc agtaagaaac ccctgggtccg ttaccaacia      960
atacagttga cccttgattt tggtcatggt gctaaaatga ttattccgaa agaacacaca     1020
aagttctcct tcctgaaccg ttgaagttag ttcacataat ccatg                       1065

```

<210> 4934  
 <211> 1062  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1063)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (48)...(513)  
 <223> similar to gi3877201 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 4934
gcaagggccg cagccagcac cgggcggaga gggctaccat ggggaaaatc gcgctgcaac    60
tcaaagccac gctggagaac atcaccaacc tccggcccggt gggcgaggac ttccggtggt    120
acctgaagat gaaatgtggc aactgtggtg agatttcgga caagtggcag tacatccggc    180
tgatggacag tgtggcactg aagggggggc gtggcagtgc ttccatgggtc cagaagtgca    240
agctgtgtgc aagagaaaat tccatcgaga ttttaagcag caccatcaag ccttacaatg    300
ctgaagacaa tgagaacttc aagacaatag tggagtttga gtgccggggc cttgaaccag    360
ttgatttcca gccgcaggct gggtttgctg ctgaagggtg ggagtcaggg acagccttca    420
gtgacattaa tctgcaggag aaggactgga ctgactatga tgaaaaggcc caggagtctg    480
tggaatcta tgaggtcacc caccagtttg tgaagtgtg atccctcttc cttcccagtt    540
gcccttaaga actgagaaag gacaaagtac tctaagcagc agagcccaca gaggctcgtt    600
cctttgacct ttgtctcctg gtggctatac gaaaccttca caatctgcat gctggacttt    660
attacagctt cccaagcccc atcaataaag cccctgttca cgctgcaactg gtgcatgaag    720
gtgaagtaag gaggcagcta ctccctccac aaataagaat tctgtcagca gcagttcact    780
ccttaggaaa atgaagagta tttttaagga gatggtatct cccagtcaa gggcaagttt    840
acagagatga aaccgcgac ccaccatcac tcaatgagcc agaagccaat ggtgacgtac    900
tgttacctga acttactgaa cttgctgttg gaaagatctt tgtgaggatt aggaattagg    960
ttaaaagaaa ttaagaacca tcttcaagca aaaattaaac tttatttctg cttaaacaat   1020
aaatacacct gagttagagg cnnntcaaat gctaatacat ct                               1062

```

<210> 4935

<211> 5451

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1025)

<223> similar to gi3413920 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4935
tccaccgccc gagcctcgcc ttcctttctc cctctgcaga cacaacgaga cacaaaaaga    60
gaggcaaccc ctagaccacc gcgaaggacc catctgcacc atgaccgaga ccaccaagac    120
ccacgttatc ttgctcgccg gcggcagctt caatcccatc accaaagggc acattcagat    180
gtttgaaaga gccagggatt atctgcacaa aactggaagg tttattgtga ttggcgggat    240
tgtctccctt gtccatgact cctatggaaa acagggcctc gtgtcaagcc ggcaccgtct    300
catcatgtgt cagctggccg tccagaattc tgattggatc aggggtggacc cttgggagtg    360
ctaccaggac acctggcaga cgacctgcag cgtgttgga caccaccggg acctcatgaa    420
gagggtgact ggctgcatcc tctccaatgt caacacacct tccatgacac ctgtgatcgg    480
acagccacaa aacgagaccc cccagcccat ttaccagaac agcaacgtgg ccaccaagcc    540
cactgcagcc aagatcttgg ggaaggtggg agaaagcctc agccggatct gctgtgtccg    600
cccgcgggtg gagcgtttca cttttgtaga tgagaatgcc aatctgggca cgggtgatgcg    660
gtatgaagag attgagctac ggatcctgct gctgtgtggt agtgacctgc tggagtcctt    720
ctgcatccca gggctctgga acgaggcaga tatggaggtg attgttggtg actttgggat    780
tgtggtggtg ccccggggat cagccgacac agaccgaatc atgaatcact cctcaatact    840

```

ccgcaaatac	aaaaacaaca	tcatgggtggt	gaaggatgac	atcaaccatc	ccatgtctgt	900
tgctagctca	accaagagca	ggctggccct	gcagcatggg	gacggccatg	ttgtggatta	960
cctgtcccag	ccggtcatcg	actacatcct	caaaagccag	ctgtacatca	atgcctccgg	1020
ctagcagccc	ctcgtcctcc	ggcaacacaa	tggccctccc	atctttgtca	gccccctgtt	1080
tctctcctgc	ctctctgttt	ctccatctcc	tctgtctgac	tgttttccct	acttgtctgac	1140
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tctttggaca	gactttcctc	tagtctccgg	gttgggggtg	ggtgagggaa	tgggggtggga	1260
gtcgggggaa	gtgcagtcct	tggagatgta	ctgggtgtccg	tctcccagca	tgctctagag	1320
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tcccagcatg	ctctagagag	gcggctctgg	tgccccctct	cccagcatgc	tctggggagg	1440
cggctctggc	tcttgccctc	ccagcatgcc	ctttactaca	aagggtctatt	tttcttttct	1500
ttcttttgtt	tatttatttt	tctttgttca	ctccctgtag	aacttggtatg	aaatcagtgt	1560
ccatggttct	ttatgtttgt	agtcttgatg	tgctcctgtg	gtattacttc	ccctctgata	1620
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gcagcagcaa	cctttgatca	ggagtgagat	tttcgggttc	tgaaacctgg	gacacgagtc	1860
tgtgaatagt	cggttttctc	agaataattt	gaatctgttt	tcttagtttt	caaatgacca	1920
tttccttgat	gctctgagct	tatgatcaca	cagagccagt	ccatcctcat	ttcctgggtg	1980
catctgttca	tttacctttg	tggactgtag	ctgatggcac	agtgcgggtt	ccctaccagc	2040
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accacatagg	caggaccaga	tcacatcgt	gcagtcgtgt	cataaaaaaa	caaaacaaaa	2160
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gtctgttggg	ctgggaaatg	tctctttcat	attgtaagtc	caggatgaac	taggagaaaag	2280
caatttgttg	ccctgatgat	aactgatgat	tttcaccctc	tctagctgag	gtaactcaga	2340
cagtgcata	ggtcagtttc	ttcttgagaa	gcagtgcctt	ggtcttgttt	ctgtgggttg	2400
ttctagcccc	tgcatagcct	gggagctgca	ggaactgtct	gagaaaatct	ccctaataag	2460
ggagtgggtt	cccagaaggg	agatctggga	ggggtcagga	gccactaagt	tgcttcactc	2520
cttttttctc	taattttcta	ccttcctctc	tgctcctgca	gacagttttg	cccagctttg	2580
cttcctgggt	actagggtct	caggcgtgtc	cctgcttgga	gagcccataa	ggaaattgcc	2640
tgtcttgtgc	ctttgtgtct	ctcatccagt	ctctggctct	tgggattctg	gtcctttgaga	2700
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gggcccagggtg	gggacctgga	aaggcaaaag	acaatgttct	tttaccacac	gttttcacat	2820
ctggcaacat	ccttcaattg	cgggaaaagg	aacttgattt	aacagaagaa	catggtagag	2880
cagcatccag	aaagtctgtt	attcctcttg	gattttttga	aataatcttc	agaggaagga	2940
aggaaaatcc	tattttgggg	tatcagtgtt	tgactagggg	tcatgaaata	ataaaactgaa	3000
aaaaacttta	gagttcagtt	gatccaacac	tttcctttta	aagttgaggg	agcagaggcc	3060
catgggatta	aatggctggt	ccaggtcagc	cagcaggtgt	agggcctgac	aagaacatat	3120
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agtaagggaag	gccactgtta	ggtttccttt	agaaataaag	agatctcagc	agcttggaag	3360
aaatcccaga	agcggaactc	catcaatcca	agaaagagtt	gctttgtgga	aggtgaagga	3420
agaccacacag	agtgtcagg	atgatgctat	tgctggagag	cgaaagatgg	aacagccttg	3480
tccaggcaga	acagtcataa	gccaggaaat	gaaacaaagg	aaaacaggtg	cctgaatttc	3540
ctggggaaac	atggcttgtt	taaggacttg	gagttatgga	tggaatttat	gggaccacag	3600
tgagcagacc	tgaggaaggc	tcgatttctt	ttgtttcttg	gtccactctg	tcactctgct	3660
ctggtcaagc	cccatttggg	ctacagccca	tgagaaggaa	tgaggctggg	tctgcactct	3720
cagcatgcag	tccgaaagca	tgtgggagtg	gggagggaaa	gtgagatgaa	ttaagacaaa	3780
gaacaggtgc	catagaagta	gatttctagg	aatgaagtgg	ggcagatctt	atctttgtgg	3840
attacaggca	ctgtactaaa	aacaggtttc	ctatttaata	taaaaagaaa	gtgaatcttc	3900
ttttggatag	aatcatccat	tcccatcgcc	gcaccccccta	ccccccaaac	acacacacac	3960
acacacacac	acacacacac	acacacacac	acacacacac	gccctacttt	ttatttgcta	4020
ggggaagggtc	acagcacacac	taaatccagg	acaggacatt	gtgaccatga	cccaccacac	4080
gtcaataacca	gaaagatgat	tcagagtctg	aaggggcgcc	ccaggtgcca	acaagataac	4140
ctctaccccc	cgactttgtc	tctgggggtcc	tgtttctttc	tgcaaagccc	aatccaagac	4200
tggcatggct	cagaggttgt	gagaaaggca	tggactggaa	caatcatgtc	cagaggggtc	4260



tggagctttg	tttctgttgc	accagcaaaa	aatgtctctc	ccatttttct	gaaagtggct	4320
gatgtaagaa	caggcagaag	gaaaaccctt	tttgtcaata	actctgtcct	taaggaatgg	4380
tcctctggga	gggctgtgct	gctagtgggt	acctcagtc	cacaccccca	accccaggca	4440
gcctctagag	ccttcttgc	ttcattttcc	ttgaatgtac	ataggaacaa	gggggaaagt	4500
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tcagcttggc	cagcctttca	acaatgttct	ctagtttcaa	gctccagctt	ctcagaaaga	4620
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tttaagagta	agatttgctt	tatggaaatc	aattcattaa	taaaaaatga	tattcaagtt	5340
gcaataccat	ttcacagtga	aatattttga	gtacaatttt	gttgctagaa	tagtcatggg	5400
caagagtttt	atgcaaaatg	tttcaattat	gttaataaat	aagacaatgc	t	5451

<210> 4936

<211> 2309

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (74)...(856)

<223> similar to gi6018317 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4936

agacgacgat	ttcgtggcgg	tgcagcttgg	gcgggccagc	ggatcgtgcc	gcgggcgccg	60
agcgagcta	caggagggtg	tccagaagcc	acaagccatg	gctgtgggga	acatcaacga	120
gctgcccag	aacatcctgc	tggagctgtt	cacgcacgtg	cccggccgcc	agctgctgct	180
gaactgccgc	ctggctctgca	gcctctggcg	ggacctcatc	gacctcgtga	ccctctggaa	240
acgcaagtgc	ctgcgagagg	gcttcatcac	tgaggactgg	gaccagcccg	tggccgactg	300
gaagatcttc	tacttcttac	ggagcctgca	caggaacctc	ctgcacaacc	cgtgcgctga	360
agaggggttc	gagttctgga	gcctggatgt	gaatggaggc	gatgagtgga	aggtggagga	420
tctctctcga	gaccagagga	aggaattccc	caatgaccag	gtcaagaaat	acttcgttac	480
ttcatattac	acctgcctca	agtcccaggt	ggtggacctc	aaggccgaag	ggtattggga	540
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cggcgtggac	actcattact	gggcgggctg	gtacggcccc	agggtcacca	acagcagcat	840
caccatcggg	cccccgctgc	cctgacaccc	cctgagcccc	catctgctga	accctgactg	900
gtaaacaact	gctgtcagaa	aagggctggg	cttggggaag	ggaggtggag	gccaggtgtc	960
cccagacctc	taacccttgc	ccctagcagc	ctcttctttg	tggagcctct	cagtgtgggc	1020

agccctcgca	tgctgggggc	gggccagctc	tccccgaaag	gtcttgacct	gaatgatggc	1080
cggggaagcc	tgctgtgccc	cctttcagag	acggagcacc	tgagatgtgg	gaggtgcagc	1140
atgttcccc	gggccccca	gaaagtcgag	cttgagggcc	agcctggatc	tgtctctccc	1200
ttccccctct	gggaccattc	tacctgtgtt	ctttgacctc	cggagcaggg	acaggcaaga	1260
caactggcaa	gcttgcaagt	gccctgatgg	tgcagggtga	gggaggtgac	catgtaactc	1320
tgaccaatct	gggaagtggg	gggtgggctc	atgggcccgt	ctctgcccc	gtctgctgct	1380
cccagtcttt	cgctctgcct	gcctgctcag	aagaggtggc	tttggcccag	aggctcaggg	1440
cgggactgag	atggacagac	ccagggtggg	gtgggggtcca	ggttgggtgt	ggactgtcct	1500
cactgtcagt	ggagccccag	aagctagatg	ggtaccaggt	ggggttaggt	tcccagagga	1560
ctgagggaat	cctgtacagg	atgtcccagg	gtagatgggg	agcaggattg	ggacctgctc	1620
tgacagctgg	acacatgagc	cctggatgag	tatggtaagg	gggtttgaag	aatccccctgt	1680
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cctcttgtcc	tgttgaaag	atagcagtgt	tctcctgact	tgcacctact	gcatgcagcc	1860
aaataaaagg	tgtgcccagc	ctaacctgtg	cctgtgggtt	tctggaagga	aaggcagact	1920
ttaggtggtc	ctgcctggac	ctgcagatgg	tacaatggca	tggcttctgt	ctaaggtaca	1980
gaggggttgg	catttcagga	cctaggccat	cacagaaaca	ggttcatggg	cagccccctc	2040
agtgagctgc	aggtatctca	cctggcagcc	gtccagtact	gctggcttcc	tctggaggcc	2100
cagccacagg	ctgggggttg	ggtgtgtgga	catctctggg	cagctcttga	gtccaccttg	2160
tgccagatca	gcagtgccac	ccaggtctct	cctcctgggt	ttattctttg	ccaacagctt	2220
tacggccatt	ggatgaagcc	gccccacttt	agaatggtgc	ctggcacacg	gctggtgcga	2280
aatagcaaaa	gctttgtgtc	ccccccacg				2309

<210> 4937

<211> 1035

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(609)

<223> similar to gi3413830 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4937

attctgagga	acggggactg	tccccggcgc	tggcctccg	gggctctctg	cgagcccggg	60
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gccccatgct	cagctccgcc	tttggccagg	atagatcact	gcgaccagag	gaaattgaag	180
agctccgaga	ggccttcaga	gaattcgaca	aggacaagga	tggctacatc	aactgccggg	240
atctgggcaa	ctgcatgcgc	accatgggct	acatgcccac	cgagatggag	ctcatcgaac	300
tgtcccagca	gatcaacatg	aacctgggtg	gccatgtaga	ttttgatgac	ttcgtggagc	360
taatggggcc	taaactcctg	gcagagacag	cagatatgat	tgggtgtaaag	gaactgcgag	420
atgctttccg	agagtttgac	accaatggtg	atggggaaat	aagcaccagt	gagctgcgag	480
aggctatgag	gaagctcctg	ggtcatcagg	tgggacaccg	agacatagag	gaaattatcc	540
gagatgtgga	cctcaatggg	gatggacgag	tggactttga	agagtttgct	cggatgatgt	600
cccgtgagg	ccgcgagggc	ccctccagga	ctgccaaagt	cccaaaggcg	gggctaagag	660
gagctagagc	ttgcctcacc	cgctgtagcc	gccgagagcc	ccaggatgta	ctggcggatg	720
gggcctgcct	gcaccccggg	gaggcgccca	ccccggaccc	ccacccctcc	gcactgtgaa	780
agactaactc	ctgcaactgg	aaaagcgggg	gcgcccgcgc	acgaggaggc	caccgtgcca	840
agccggcagg	agttcatgcc	caggcgccaa	gggccatgct	gcccagctgc	tgctggctgg	900

gtgggccagg	gagcccccca	gcagacccca	cacagcatgt	ccgccccgag	gcaaagcctc	960
ccaccttcgc	tctgcgcccc	tcccagctcg	cctcagccct	gttatctcag	aaccaataaa	1020
aatatttcca	agagc					1035

```

<210> 4938
<211> 2224
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (501)...(931)
<223> similar to gi4240124 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4938						
agagcgccag	ccagactgca	ggtgcatagc	ttctggagcc	gccagctgtg	cccaagagct	60
cctcagagcc	tgctgtccat	gcccctggta	cccctggaaa	ccctgtcagc	ctctctacca	120
actcctccct	ggcctcctct	ggggaactag	tggagcctag	agtggaaaca	atgcctcaag	180
ccagccctgg	ccttgccctc	aggaccaggg	gcagctcagg	tccccagcca	gccaagccct	240
gcagtggcgc	caccccaacg	cctctcttgt	tggttgagga	caggagcccc	gtgccttccc	300
ctggaagctc	gtccccacag	ctgcaggtaa	agtcctcctg	caaggagaat	ccttttaacc	360
ggaagccatc	acctgcagcg	tccccagcca	caaagaaggc	caccaaggga	tccaagccag	420
tgaggccacc	tgcccttgga	cacggctttc	cactcatcaa	acgcaaggtc	caggctgacc	480
agtacatccc	tgaggaggac	atccatggag	agatggatac	cattgagcgc	cggctggatg	540
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ggcgagagtc	cgagctcatc	tatgtcttca	agcagcagaa	cctggagcag	cgccaggctg	720
atgtcgagta	tgagctccgg	tgccctcctca	ataagccaga	aaaggactgg	acggaggagg	780
accgggcccc	ggagaagggtg	ctgatgcagg	agcttgtgac	cctcattgag	cagcgcaacg	840
ctatcatcaa	ctgcctggat	gaggaccggc	agagggagga	agaggaagac	aagatgttgg	900
aagccatgat	caagaagaaa	gagttccaga	gggaggctga	acctgagggc	aagaagaagg	960
ggaagttaa	gaccatgaag	atgttgaaac	tgctaggaaa	caaacgtgat	gccaagagca	1020
agtcccccag	agacaagagc	taacagcacg	agaagccagt	tggggactgc	cccctcctgg	1080
agcagctcct	gggctgtgct	ctgtttgaag	ggggcgccct	gtccccctca	gatcagtcag	1140
gaggaagatg	actaagggga	gggatcctct	gggtgatggc	ctcttctctc	tcagggaacct	1200
ctgactgctc	tgggccaaaag	aatctcttgt	ttcttctccg	agccccaggc	agcggtgatt	1260
cagccctgcc	caacctgatt	ctgatgactg	cggatgctgt	gacggaccca	aggggcaaatt	1320
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cccctgccat	gagctctggg	ctgggtctcc	gctccagggg	ttctgtctct	ccaggcaggc	1440
cagcaagtgg	cgctgggcca	cactggcttc	ttcctgcccc	atccctggct	ctgagtctct	1500
gtcttctctg	cctgtgcagg	cgcccttgga	tctcagtttc	cctcactcag	gaactctgtt	1560
tctgaagtct	tcagttaagt	ttgagtttat	gactgagtgg	cctgtactgt	cagacgtgaa	1620
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tcccgcccat	ggtcatcact	ggtctgtctg	ctctgttgtc	tgttctttcc	ctgactccct	1980
cccaccgaag	gcctgatggc	tactacccc	tctgggatgg	ctatgggaga	ggaggagtga	2040

tggggaccgc	caccttttct	gcaggaaatg	tgcccagcag	ctcttgggtca	aagcactgtt	2100
gctataagct	atctctggga	tgccctctagg	cccccttccc	tctacacacc	tctgggaaaa	2160
gattacactg	tattaactct	cgaggagttt	cctcaccaat	aaacagacaa	cctcaaaaaa	2220
aaaa						2224

<210> 4939  
 <211> 1238  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1171)...(101)  
 <223> similar to gi473431 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4939						
tttttttttt	ttcaagtgtg	gtcacagttt	atttctgatg	tggctgaatc	tagggacagg	60
cgggctgggc	tgagtggggg	gcgtgtcggc	gatggggcta	gaactccacc	ttgcaggccg	120
ggaaggcgct	atcctgcatg	gacaccatgc	tggtgtgcc	caacaccgtg	atgccagcgc	180
cctggtgcgc	ggcgtgcgtc	tctgcgtacc	acgtatgcac	ggccaccgag	tgcgaaagtgg	240
ggatcagggt	cacctgcagg	tcacgggtccc	aatgctgctt	gctggccagt	agcgcgtcca	300
ggacggcccc	catgccttcc	tcttgcgct	ggctcctggc	actgatgacg	tagcagagcg	360
cgcgcacgcg	ctggaagaac	tctcatcca	ccagggtggc	gctgctccc	ctgggcagggt	420
aggccaggct	caggtagacc	ggggacttgg	gtgggggtgg	tgacacccc	ggccggctgc	480
tggctgaccc	cgacgggcct	cgagtggcag	tcttgggggt	tgaggacttt	ctggacaggg	540
gtgcccggcc	tcccttctca	ctgggctcac	tccgggcact	gagtggctcg	ctggcacgggt	600
ccccaccagc	aagccccctg	gttttggcag	cagccactgg	agtggctttg	ggggcggcag	660
cgcgtgagtt	ggggcgggcc	aggggcttcc	gggtgcggt	gacgttctcc	gtttgcctg	720
ctgtcttggg	gggcagcatc	tcggggctca	ccatgcagat	gctggatggg	tcaggcagtg	780
gtggggggac	cttgaggggg	tcaggcaaag	ggctcgtggc	agggactcca	aagccctctg	840
tgtcttcgtc	tgagtctgcc	gcaccggggg	ccaggggcac	gggatccgag	tcagacaggg	900
tgggcaggga	ctcgtgacc	gatgtgggtg	gcgtctctcc	ggccccccagc	ccacctgccc	960
gttctctgtg	cggggcactg	ctgtcattcg	agctgccggg	ggacgcagggt	gocgggtgcca	1020
ttggcaccgc	cttgcgatgc	tcaaattcac	agggtgacac	caggcacagg	tccacatcgt	1080
gtggggaagc	cgagcgccgc	gcccgggggc	cagcgagcgg	gaggetcagc	ccagcctcac	1140
tgggtggggc	ggatggcggc	agcacctgct	tcaaaggaca	ccgacagggg	ctcgtccacc	1200
tcggtcgagt	gcggggagcc	cacctctgcg	ggtagtga			1238

<210> 4940  
 <211> 1375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (546)...(748)

<223> similar to gi4098993 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4940

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agcgggccg tgcaggggct gctggaggag gaggcgccg ctcgaggccg tctggagcgc 60
accegtctcg gagegcttgc gctgccccgc ggggacaagg cccggacggg cgccgccggc 120
cgccagcgcc cgccgtctc gcagcaagag aggtggagaa gagcgagtag ttgagaaaga 180
agaggaagaa gatgatgat aagatgaaga tgaagaagat gatgtgtcag agggctctga 240
agtggccgag cagtaccgt cctgcagggtg cccagcacca ccagcttaac ggcgagcggg 300
gacctcagag tgccaaggag agggcaagg agtggaaccc ctgcggaccg caccagggcc 360
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tgccctttgcc cccaggcaaa ccagccctac ctggggccga cgggaccccc tttggctgtc 540
ctccccggcg caaagagaag ccattctgat ccgtcgagtg gaccgtgatg gatgtcgtcg 600
aatattttac tgaggctgga ttccccggag aggcgacagc tttccaagag caggaaattg 660
atggcaaadc tttgctgtc atgcagcgca cagatgtgct caccggcctg tccatccgcc 720
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aggatgatga cccgatggc ttcttaggt gagcgcccag cctcaccctt gccccagccc 840
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cagccctcat aacagattcc aaggagaggg caccctcttg tccttatctt tgccccttgt 960
gtctgtctca cacacatctg ctctcagca cgtcgggtgtg ggagggggat tgctccttaa 1020
acccaggtg gctgaccctc cccaccagc ccaggacatt ttaggaaaaa aaaaatgaaa 1080
tgtggggggc ttctcatctc cccaagatcc tcttcggttc agccagatgt ttcctgtata 1140
aatgtttgga tctgcctgtt tattttgggt ggtggtcttt cctccctccc ctaccacca 1200
tgccccctt ctcagtctgc ccctggcctc cagcccctag gggactagct ggggtgggg 1260
tcctcgggcc ttttctctcc tccctctttt ctttctgttg attgtcgtc cagctggctg 1320
tattgctttt taatattgca ccgaagggtt ttttaataaa attttaaaaa aaaaa 1375
```

<210> 4941

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(748)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (711)...(390)

<223> similar to gi3023044 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4941

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tttttttttt ttaatcaggt gaaaatattt ttttttgacg tgctttttct tgagtgcctg 60
```

aatgtggtgg	ctcttagggg	aaccccagaa	tcctcactgc	ggcaacaaga	cctggccacc	120
accctcacct	cgaccaccac	ggccttcgct	gcagcccac	tctgactccc	cgggggctgc	180
tcacgtgcca	gcaccactg	gccaaagcatc	ctccggcagg	acccaagtcc	tctgtattca	240
gaggccgacc	ctgctttcca	gagactcacg	aggtggcaga	gagtcaggct	gtggcagggg	300
cccctgtgta	tcgaggagag	gaggaagagt	ctgcagaggt	ttctagggaa	ggagatagt	360
tggaaagtac	tgtggctctg	gtcctgcctg	ggaggagatc	tacaggggag	gggcctggcc	420
ttgggctggc	cctgccctgc	gtgggatctg	tgccctgcgt	gggatccctg	ccctgtgtgg	480
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tgccctgtgt	ggggtgtgtg	gggtctgtgc	cctgtgtggg	gtgctggggg	tctgtgccct	600
gtgtgggggt	cttggggctc	gtgccctgtg	tgagctgcct	gccccgtgtg	gggtgcgtgg	660
ggtctgtgcc	ctgtgtgggg	tgcctgccct	gtgtgggatg	catggggant	tccccgact	720
ggacaactat	ctacaaangg	ggggggg				747

<210> 4942

<211> 1641

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (72)...(342)

<223> similar to gi3047103 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4942

ggaattcgag	gaaactagag	ctggcagaaa	gggtggacac	agattttatg	caactaaaga	60
aaagaagaca	atcaagttag	aaggaaaatg	actcaggcac	tttggacacg	gtaggcgctg	120
tggttgtgga	ccacgaagg	aatgttgctg	ctgctgtctc	cagtggaggc	ttggccttga	180
aacatccggg	gagagttagg	caggctgtct	tttatggatg	tggctgctgg	gctgaaaata	240
ctggagctca	taacccttac	tccacagctg	tgagtacctc	aggatgtgga	gagcatcttg	300
tgcgcaccat	actggctaga	gaatgttcac	atgctttaca	agctgaggat	gctcaccaag	360
ccctgttggg	gactatgcaa	aacaagttta	tcagttcacc	tttccttgcc	agtgaagatg	420
gcgtgcttgg	cggagtgatt	gtcctccggt	catgcagatg	ttctgcccag	cctgactcct	480
cccaaaataa	gcagacactt	ctagtggaat	ttctgtggag	ccacacgacg	gagagcatgt	540
gtgtcggata	tatgtcagcc	caggatggga	aagccaagac	tcacatttca	agacttcctc	600
ctggtgcggg	ggcaggacag	tctgtggcaa	tcgaagggtg	ggtgtgccgc	ctgggagagc	660
ccagtgaact	gacccttcag	gctgagtgtg	aagcgtctca	gaggcatttc	agaacctgag	720
cttttggggg	tttttaactg	aagttggttg	ttttatcttt	cttgttttat	aattcctatt	780
gcaacctcgt	gcactgctcg	agacacaagt	gctgctgtag	ttagcgctta	gtgacacgcg	840
ggcctttggg	gggtgagcgg	gactgtgtgt	gagtgtgtgc	gcgtatgtgc	gcacatatgt	900
gtatgtgtgg	agtatgtgtg	tttgcttctc	cgtggatgaa	atagaaactc	ctcattgtgt	960
gaccaggaat	ggttaaatac	tctttacaaa	atgtgtgctt	taactgttta	caagtaaaac	1020
ctaaagttgc	aggaaacatt	ttttatttcg	taaagaggta	ccaactgtcg	ctgatgtgat	1080
atgtcagaac	tgaagagtaa	atctacttgt	ttaaatgact	tgacagtggg	agtgtcccat	1140
ttaataacag	taataagtaa	taaagtgttt	ttatttggtt	accagtttaa	gtggatccctg	1200
tggtaactta	aactgttggt	ctcatccctt	atatggggca	tttttcttta	acaaagaatg	1260
gtttcagtga	aacaatctag	cagagaatta	atgtcagaac	ctttttaaat	aatagtctga	1320
ttgatacagt	ttgtacttat	ttcatcaagc	ttttctaagc	ttaaatattg	catagcttcg	1380
agctgtatgg	actatattat	gaaagaatat	gtaaagagaa	catacagtaa	tgcacagtcc	1440
ttaatttgtg	tataatggaa	agttattttac	aatataacac	tgtaaataag	aaagcaaagt	1500

```

ttatgggaaa attcaatatt atctttgttt ttgtttaaat atatttttaa gataaaggca 1560
caaaaataaa agaagcgtat tactgggtat agtatgtgac tcctcttctc agactaataa 1620
attatctttt gaatccttaa a 1641

```

<210> 4943

<211> 1558

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1475)...(886)

<223> similar to gi5649176 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4943

```

ccacctcaga gcaaccacag ctgggcggtg ctgttcgacg ggagagcg ctgcatctgt 60
taccgccctg aggagcacca ggtctgcttc ctccgcctga tggaggacag tgatcgggag 120
accctgcggc tgctgggtgga tacctccaag gtccaagagg cttgggtccc cagccaggac 180
accaccacaca cccaggagct gctggcagtg caggggagcc tcgaagtgga cccgcgccag 240
gcgggggctt tgggtgcagcg cctgtgcatg aggaccccca tctactgggc cggcgagca 300
gaggggcccc ggagacagcg gctgatttat ctctgcatcg acatctgctt cccgagcaac 360
atctgcgtgt cggctgctt ttattacctc ccagactgag ccccgacct ggcccagcct 420
ggcccgctcc caatccagtg ggctggccag gccacctgca ccaggaggga cagctgctgg 480
cagggactaa taaacccttc cacctggcca tgggtggtgg gtctctatg gaccgaggcc 540
ctgaaacgcg ggcaggaggg ggcagagaac gcactagctt gggggtgggc accagcctca 600
gacccctcag cagctttggg ccctcgcccg actttcccag gcagtgcagg ctagcccagt 660
ccaggagtgt gcagcctggc ttgggtcgag ctctgtcaca tctggataag caactggggg 720
ctgagagtcc cagggcagcc tggcccagca ggtcaaggcg ccacaggggg ccacaggtc 780
cagctggcgc agggccggcag gggaggggtct gctctgacct ggggtgctga tgggtccctc 840
cagctgccac cacctgcacc aggcagtcac gaggggtcac aggctagccc agcacactgt 900
cattgaaggc caggcagaca acagccttct ggtggccgcc ataactcttc ttgatctctc 960
cagtctccac acaccagagc cgggccaggt tgtccgagga agcagtgacg atgtactggg 1020
agtccccga gaaggcgag cccacatcc agccgcggga ggactccccg ggggtgccgc 1080
tcttgatgct cagctccgtc atcagggaga agttggacgt cctccagatc ttgcacgtct 1140
gatcagccga gcaggtggcg aggagcgtgg agtcggggct gaagcgacac tgcagggcgt 1200
agcgcggtg ggcagggatc ttagtcttgg ggatgagctg ggtcacctcg tcaccaatgc 1260
cccccgtcag attccagaca tagcagtttc cggtgctatt gacagctgcc atgtagctgg 1320
cgtcgggatc gatgtgggag gacgtgatgg agacctcggg ctgaggatc agctgctcgt 1380
tgtggtctgt tttcaagtcc cagatgtgga tagccccgct ctggtcacc acgatgagct 1440
ctgcctggtt ggggtgcagc accaggactc ccagggtgaat gccttgaggg tcacaccgga 1500
ccgcagcatg attgctgctg caggttacca gcacatgcgg atgtatgatc tcaactcc 1558

```

<210> 4944

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (357)...(215)

<223> similar to gil565257 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4944

acttatagaa	aaggtaaagg	aaaccccaac	atgcatgcac	tgccttggtg	accaggggaag	60
tcaccccacg	gctatgggga	aattagcccc	aggcttagct	ttcattatca	ctgtctccca	120
gggtgtgctt	gtcaaagaga	tattccgcca	agccagattc	gggcgctccc	atcttgcgca	180
agttggtcac	gtggtcaccc	aattctttga	tgtatgggcc	gaggggcagg	ctccaatttt	240
caagcacacg	aaggaaggat	ccatcacctc	caccaggatc	tcgatcagca	cgggctcgta	300
ctctgccaca	aactgatcac	actgcttctg	gtaagggctc	ggcaggaagc	tgcag	355

<210> 4945

<211> 1918

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(811)

<223> similar to gi5912153 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4945

gcaaggtgac	cgccccacgg	cgccccacgc	gctacagcag	cggccatggc	agcgacaaca	60
gcagcgtgct	gagtggagag	ctgccgcccc	ccatggggccg	caccgccctt	ttccaccaca	120
gcggtggcag	cagtggctat	gagagcctgc	ggcgcgacag	cgaggccacc	ggcagcgcct	180
cttccgcccc	tgactccatg	agcgagagtg	gggctgcctc	cccaggcgcc	cgcacccgca	240
gcctcaagtc	ccccaagaag	agggccacag	gtctgcagcg	gcggcgcttg	attcccgcct	300
cactgccga	caccactgcc	ctgggcccga	agcccagcct	ccccgggcag	tgggtggacc	360
tgcccccgcc	cctggctggc	tccctgaagg	agccgttcga	gatcaagggtg	tacgagatcg	420
atgacgtgga	gcgccttcag	cgcccccgcc	ccaccccgag	ggaggccccc	accaggggtc	480
tggcgtgctg	cagtacaagg	ctgcggctgg	cggagcgcag	gcagcagcgg	ctgcgggagg	540
tgcaggccaa	gcacaagcac	ctgtgtgagg	agctggccga	gacccagggc	cggctgatgc	600
tggagcctgg	ccgctggctg	gagcagtttg	aggtggaccc	ggagctggag	cccagatcgg	660
ccgagtacct	ggcgcccttg	gagcgagcca	cggcgccctt	ggagcagtgc	gtgaacctgt	720
gcaaggcgca	cgctcatgatg	gtcacctgct	tcgacatcag	cgttgcagcc	agtgtgcca	780
tcccggggcc	gcaggaggtg	gacgtctgag	gctggggcgc	ggacaagagg	agggggcgctg	840
cagcgggctg	gaggacggga	cgtgggacgg	agcgaggatg	tgggtggggc	tcggggggga	900
ggatgcggag	gggtttctgt	gcaggacggg	agtctcagag	aggagacgga	gtgtggggga	960
gggagggccg	gccacgcggt	ggacagagcg	aggggtgccag	ggtgacccga	agaccgtcac	1020
cacccgacag	caacgcaagt	gcctttgacc	ttgatttgga	cttttctccc	ttttgcattt	1080
ggtgctacag	acttgagaca	ccagcagaag	ttgtgttcag	cccggccccg	ctgcgcctgt	1140



ccgggcccggg	gctggcgccg	gttgtgtttg	tgccacacct	gccttctttg	cagccaagca	1200
gtttttgtgg	agtgggactt	acctgcacgc	cccaggggtc	tttcaggatt	caggatgact	1260
tttctttttac	aatgggtttcc	tctcggcaga	gcccggggtg	tgggggatct	gtgtgggggtt	1320
ctcaacgcag	atccatcctg	gggtctcccg	ggcagggatg	gctgacctcg	agtcccctcc	1380
cttcccgcaga	acccgctctg	tcccgaaggc	agctaacaag	ggctgagccc	caggtacagg	1440
ttgcctcctc	cacggcagga	atttttacca	aaaccacaag	caaaaaacaa	aacagaccac	1500
cacgaccaac	aacaaagatg	gggggtaggg	ttttgtaaag	gttctgttag	gttcatattt	1560
ttatatcatt	ttgcccataa	atgcggaatt	tgccgtggga	atttgaagac	aaatgatcta	1620
tgtttttatg	gtttttctagg	gaaggtgttc	tgggggcccg	gctctctcca	gctgtgggag	1680
gcctgtcccc	tctggggggc	accctgggca	gggtgggggg	gccttgggag	gcgcttcttg	1740
ccaaatgcag	acgaggggtg	agcctgccag	cgtttgcgac	gtccccgcac	gacaggctca	1800
tactttctga	ggatcgtgca	tagcatagga	cgtctgaacc	tttgtacaaa	tgtgtagatg	1860
acatcttgct	acagctttta	tttgtgaatt	aaagatgcac	cgatgggtta	aaaaaaaa	1918

<210> 4946

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (491)...(384)

<223> similar to gil872200 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4946

gctgaggaat	tcggacgcaga	gaaataaaac	gatctagtta	ttgaaaaacc	ttaaccacct	60
tggacacact	cacatacaca	cacaaaacac	gtattcccaa	cgtagatttt	cctaccgctg	120
agctgctttt	acctatgctg	ttttctctac	ctggaaagcc	ccctcttgct	ctcctaggtg	180
tcactgccaa	aatactacct	ttcctataag	gtccaggtat	ataagcacca	tggacattat	240
ggagagagta	gggggcatgg	ggtccacatt	ttgtatcact	gtccaccact	cccagcctgg	300
accatctcac	actgagtcct	tttagtattc	tgattcgtag	tttacttatt	ctaaaaaatg	360
ggtcagtaaa	cctcttgcta	tggcacggtg	gctcacgcct	gtaatcccag	cactttggga	420
ggctgaggcg	ggcggatcac	ttgaggtcag	gagttcgaga	ccagcctggc	caacatgggtg	480
aaaccccatc	t					491

<210> 4947

<211> 1500

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1501)

<223> n = a,t,c or g

```

<220>
<221> misc_feature
<222> (1503)...(1149)
<223> similar to gi4884370 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4947
tttttttttt ttgtacaata actgactttt gcaattattg tgtaatttac acaaggacaa      60
cccccaaatt cccacacttc gtttttatat ttctgccttc attattcttt caatatctac      120
gtcaacagaa atcgtttctc ccaataacat atgtggtttg atcctcagcc aggggcgcac      180
aggccctaca agagtccag ccctccaaca cgggacacct ggaccctccc ccatttgagc      240
tgccagccct tgggtctgtt tggttaacccg gggcttctnc ctgggcccc tggtcacccc      300
ctggaagacc gtccggttaag gtagggaaat ggccaaacag gatctgtgtg atgtgtcaac      360
tctgagtaaa tccaagaggg ctgcctaggg agccccagc ctggagggat tgagaggcca      420
gggctgtgtc tggttccatt tcaaagaatg ctgtgatgca ttagcagcgt tctgctatgg      480
gcaacaaccc attagaagca cctggaaggg gggttttggg aaacgggctc agaaaggagc      540
aagggtgtgc cgttccattc ttgccttagg tggctgttcc gttaccagc ctatgctgtc      600
tcagtggcca ggtggctgag gaggaagtct gaaggccgca tagttgcaag tggcttcctc      660
agggcctgca ggggacagca taggccccaa gctagaggaa gcttgggaag gcgcccacgc      720
tgggtcctgc ggggctctgc atactgcagg ccaccatggc gctagctcct taccctctgg      780
agtctgtctc atccaggaga agacagctgg ctggcctcag agcgttacat gcaactcggg      840
tgaaaacatt tttacatgac acagacacac aatgggcttt acctctggat aaacttagaa      900
actttccatc caaacgaaaa ggggtgtatct tctgtatgtt gccaagaagc ctaaactgag      960
tacaaggacg atcttacttt aatcaagttc cagaatgagg gtacacagct tcgaaaagca     1020
gtctgtagca gaagatgcaa ggggtgtgtg agccatgttt ccagaatata ccaaaggaaa     1080
cacacacaac cccagtgtgg ccttttgca accctcgatg ctgctccata ctggggggcag     1140
gcggtactt cgtccagctg actttgggaa tgtcgtaatg ctccgtgagt gtgtccaggt     1200
gtctgttgaa gtctccact ctctgcttgt gggttttgga tgcttcttt aggatccttt     1260
ccatttgccg cttctcctgc attttctcga aggccgcctg ggccggggtc cgcttgcca     1320
ggcgcgcgcg cttctcctcc tegtctttt tgctcgttcc cattgcttcc aggagtctcg     1380
ctttgtcttt gtcttcttt ttcttcttcc gcttggtcac tcccagctct gcgacgcctt     1440
tcagcttcag ggggtccctt tggacctgct cgtaggcctc catgacactc tccagtgtt     1500

```

```

<210> 4948
<211> 885
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(886)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (860)...(446)
<223> similar to gi3885828 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4948

tttttgaggg	tcaaatatct	ttaaataaag	tgccaggaac	aataaatact	gtacaggaag	60
agagtgcacg	tgaacgtcca	gatctgtggt	ttcaacctcg	agactccaag	gacctgcaag	120
gggggtggac	aagggaccg	ggatcagga	ggctcgggt	agacaagagg	ggcaggactg	180
gggttgacaga	ggcaagggcc	caggtaagt	ggctgagga	tcccagccac	agtaggttcc	240
gtatcttggg	atggaaggaa	gctaagggt	ccccagga	tttgccaaa	ctagcctggg	300
gtgagagcct	gggccaagg	tcaagggtca	ggatcccaga	ggaggggcca	gggctggaag	360
atccaggaag	cactggcctg	gtttgggagc	ctggggttaa	aggggagccc	gtggaggccc	420
caggggtgtg	gtgaccag	ggctcacgag	tagctctgat	gctgttggcg	ccggcgggca	480
gagcgcacat	tctcgaaccg	ggcctccatc	tcctccagca	ctcgcggtgt	gtaacggaca	540
accagcttca	ccgagccctg	ggcgccttc	agcagctcca	ccgccttctc	atgtgtctca	600
ccctcaacgc	tcacaccgtt	caccgacaac	agttgatccc	cacgcttgag	gcctccatgg	660
cggtcagcca	cacccctgg	gatgaccgg	gagatgtaga	tgggcgagtt	ttgtctttg	720
ccacccatga	tgttgaagcc	taggcctca	tccgtcttgg	gtagctccac	taccctggga	780
tgtgcgtggc	cctcgtggc	tgtgaaggca	gccactgtgg	cctttgctgt	ggcatgggct	840
cggatctcgc	tcgtgccgaa	tctgcagcga	attcctntt	ccaca		885

<210> 4949

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1256) ... (586)

<223> similar to gil205993 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4949

tttttttttt	ttattggact	gtaggttttt	attaaaacaa	acattttctca	tagctctaag	60
caaagcatta	gaattcatca	agcggactca	catcttttct	ctgcacagag	agggctgaaa	120
aggagagaa	agtcccttat	gtatgtctag	atttggtaaa	gcgaaggatt	tcagegaatg	180
agtcactgag	gctatacacg	tttgcaaatt	gtaaggcact	ggcgggcaga	gagcacagat	240
aaaggacttc	tggggtcctc	catcctgtcc	agcaacctcc	cagctcacac	cttagcttct	300
accaagaagg	gtgaacacag	catcctgtct	atcttcactc	agaccccaga	agacacagga	360
aaccgcacag	ctccactccc	accataactt	attaggagat	aagtcacatt	ttatcaactt	420
gccatcgcg	ctcctataga	ttatacttcg	gtaaacccaa	tctgtataaa	ttcctttgta	480
ctttgtgcac	tttaaagtcc	acgattgtga	atcacacaag	cattgcccac	tttgttgaaa	540
gcattttttac	tggaaacctca	aaggcccacc	atgtggggag	caattatttt	ttaatacca	600
ctgggcagga	cacgcgggtg	cccccaaggc	cgcagtagcc	attgggggtc	ttgtcagggt	660
actgctgggtg	gtagtcttcc	gcatagtaga	aagtctgtcc	ctcccgatg	tcggtagtga	720
tggggccgaa	gccgtgtct	gaaagaacct	tttggtagtt	ctctttggag	ctcagggtcg	780
cctccatttg	cttggcagag	gtcgggtaga	tggccgagcg	gtactgagtg	ccatggtcgt	840
tcccctggcg	cataccttgg	gtcgggtcgt	gattctccca	gaagaccttg	agcagttcct	900
caaaactcat	gtgttctggc	tggtacacca	ctcggacgac	ttctgcatgg	ccagtttttt	960
ctgagcagac	ttctttataa	gtaggatttg	aagtatagcc	tcctgcaaaa	ccaacttgag	1020
ttgaatacac	tcctttcaag	accagaatt	tcctttcagc	tcccagaaa	catcccatc	1080
caaatacagc	catctgtgtt	ccctctggga	aaggttcgac	tgttctgttg	ccattgacat	1140

```

gatgtttggc cgctacaggg gtctgttctt tccggcccg caaggcctcc tgggggctga 1200
cgatgttcga ggccgagttg cccatcctcg ggacgggaaa gaggctgtgg aggaggag 1258

```

```

<210> 4950
<211> 1188
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1189)...(496)
<223> similar to gi2815610 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4950
tttttttttt ttattattca ggcaatttat taaacattac ctatagaata ttatgatctg 60
tattttacag aagttaaaaa gtgatgtatt agtattcata acaactgctc catgcaggag 120
taatagaagt caacattaag cccaactcta ttttcagacc aaccatgcaa ctttagatca 180
gaggacacat gggactctgc atcttaattc cttaaattac agtcaaagac attttcagag 240
ataagtatta tgaattcaat aagaatctaa agtaagttct taaggcaaat agctataaaa 300
gagaagaatc cttagtctct catcttctaa aaacagcttc acaaataatt tggaaaatca 360
gcctaaaggt aaatagaaac tgcatttccc ctccattctt gaagccaatc tttttcaaga 420
aatgactaag cagcacctgt tgttgaagac agcaataaag cctgaacctg aactcaagc 480
tttggtacag gatcagtttt ctggcttgga ctggtcagga gtcacttcac tcagaatctt 540
cattagtgat ttttaagcgt tgtgcgttag cactatcttc tctttcagct ctgcaatctt 600
ttctgataga ggaacatttt gaatatccat ctctgatgca tttactatgg cttttgtttt 660
taagagatag cacaccattt tgtcactgga aaggcagaag tgacctctca aggcagccag 720
ggcagcatgg gtagaataca gatggaaacc aacgggaatc ccacaagaac cacagaataa 780
aaggttgtaa gtactgcctt tgagtgaacc ttcaatgcca actaggaagg gcgcttccaa 840
aacgacgtta tttgtaactc tggagaagac cacggcccg agggaccgag acaggtccca 900
ggcgaggtgc accgagtcgg cgagcactgc gtgacactgt gcgcaactga acacagcgca 960
cctctcaggc tgcagccaag acggcagctg cgggcccggg gctggctcct cagccccag 1020
ccctgcgggg ccgagcggcg aggaccctt caccacctgc gtatcccact ccattggagg 1080
cgtaaaagaa gcttgggtcaa tcgccctctc agtgccacca caaaagtccc cccggggcgg 1140
cgttgcacaa cgtgagcgat gccgcagcgg ctgagccgcc atcttccc 1188

```

```

<210> 4951
<211> 1251
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1194)...(366)
<223> similar to gi1177358 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4951

tttttaagag	gttcatgaca	caaatatatt	tatatagggt	gaatcaatca	cccaggatac	60
ccaagatctg	atactttcac	aaactgcttg	gaggcaactt	aagtatggaa	gaagcttcag	120
aaccagccca	gctttctgct	ctctggctcc	aggctgcac	ctttttaact	atttaattgtg	180
gcgtggaaaa	tgtagcata	atgaggcttt	ctcatctcaa	tagagaacct	aggaaggaca	240
aggccgaatt	aaaaaaaaaa	tcttcattaa	agaatttaat	aggagattga	ttatgttgta	300
gaatcatatc	gtcctattct	gtgacacatt	agaaacataa	actttagggc	tttttcatct	360
ccacagcata	gaggtctgat	cgcttctgtc	taaaaacggg	gatttgctgg	cgtatttcag	420
ccagcttctt	caggtctatg	tctgaataca	cgattgcttc	ttctgtgcca	gctttggcta	480
gaacctcccc	ccaagggttc	accacgggtg	tgtgtcccca	ggcaacatag	gaggctttgt	540
catcccgggc	aggagaggct	gtggccacat	acacctgatt	atcaacagcc	cggcttcgct	600
gaagtaactc	ccaatgggct	gggtccagtgg	tcagattaaa	agctcctgga	tataccaaca	660
gctggcagcc	tctctgtgcg	tagatttggtg	caagctctgc	aaaccgcatg	tcgtagcaga	720
tgcccagacc	cactctgcag	taaggagtat	caaattgtgga	gaaactatca	cccggactca	780
atgttttaga	ttcttgaaat	gtaatttttc	caggaacatc	aatgtcaaac	agatggatct	840
ttctatactt	tgctagtaaa	gttccatcag	gccccaaacac	agcacagggtg	ttatataatt	900
tcccagcatc	ctcttcaggg	atagagcctc	caatgagata	tatgctgcac	tcctttgcta	960
cttcagaaag	cttctgtgtg	gattcaccag	gaattttctc	tgcatattca	ggaaaatatt	1020
tcgctccata	tggagaatta	aagcattccg	gcaaagaaac	tattttgggt	ccttgcggtg	1080
ctgctcccg	gatgaagcta	caagcgcgag	tgacgttatc	tgatttgatg	gaagaaatct	1140
gaagctggat	gagggccaag	cggaaagagg	tcatgactct	gcagacaagc	accacctgcg	1200
gcgcggaatg	agcgtggag	atccggcgga	ccgcggcgctc	gctacacgaa	a	1251

<210> 4952

<211> 1073

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (211)...(705)

<223> similar to gi687809 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4952

tcgctgtctc	gggccgactc	tgacccccat	gggccacaca	cctgtggcca	tgtcctgaat	60
gtgatcattg	gctctaattg	gctggcgcta	gctgaggccc	agcggcaggc	cgaggcactg	120
ggctaccagg	ctgtggtgct	gagtgcagcc	atgcaagggtg	atgtaaaaag	tatggcccag	180
ttctacgggc	tgctggccca	tgtggctaga	acccgcctca	ccccatccat	ggctggggct	240
tctgtggagg	aagatgcaca	gctccatgag	ctggcagctg	agcttcagat	cccagacctg	300
cagctggagg	aggctctgga	gaccatggca	tggggaaggg	gcccagtctg	cctgctggct	360
ggtggcgagc	ccacagtaca	gctgcagggc	tcgggcaggg	gtggccggaa	ccaggaactg	420
gccctgcgtg	ttggagcaga	gttgagaagg	tggccgctgg	ggccgataga	tgtgctgttt	480
ttgagcgtg	gcaccgatgg	gcaggatggg	cccacagagg	ctgctggggc	ctgggtcaca	540
cctgagcttg	ccagccaggc	tgacgtgag	ggcctggaca	tagccacctt	cctagcccac	600
aatgactcac	ataccttctt	ctgctgcctc	cagggtgggg	cacacctgct	gcacacaggg	660

atgacaggta	ccaatgtcat	ggacacccac	ctcttggtcc	tgcggcctcg	gtgatggcat	720
aggtcacatt	ttgggagttc	agaggaggcc	tacaagggca	aggtcagatg	gcagagcaag	780
gttggtcctc	agggcctctc	taagccttag	ggccccctct	ctccttggcc	ttggctgttt	840
ggttaactgt	caccttccac	tcagggcctc	tgctctatat	ctattccctt	ccagccagac	900
tggcagatgg	gggcttcccc	ctacccttga	ggatgaggac	aagccccctg	gccagttcag	960
cgttcccgtg	cttctccctt	gggcagcctc	tctcttgagc	ccctcaccct	gtttctttct	1020
gtgaagcgag	aatgtctgaa	aataaatagg	accatgccat	gggaaaaaaaa	aaa	1073

<210> 4953

<211> 658

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (9)...(499)

<223> similar to gi4760473 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4953

ctaatagagat	aatcaaatat	aacctgcaga	agaggactgt	ggaagatcga	atgctgctcc	60
caggaggggt	aggccgagca	ttggtttacc	agcactcccc	ctcaacttac	attgacctgg	120
ctgtggatga	gcatgggctc	tgggccatcc	actctgggcc	aggcacccat	agccatttgg	180
ttctcacaaa	gattgagccg	ggcacactgg	gagtggagca	ttcatgggat	accccatgca	240
gaagccagga	tgctgaagcc	tcattcctct	tgtgtggggg	tctctatgtg	gtctacagta	300
ctggggggcca	gggccctcat	cgcatacctc	gcatactatg	tccactgggc	actatcagtg	360
aggaggactt	gcccaacttg	ttcttcccca	agagaccaag	aagtcactcc	atgatccatt	420
acaacccccag	agataagcag	ctctatgcct	ggaatgaagg	aaaccagatc	atttacaac	480
tccagacaaa	gagaaagctg	cctctgaagt	aatgcattac	agctgtgaga	aagagcactg	540
tggctttggc	agctgttcta	caggacagtg	aggctatagc	cccttcacaa	tatagtatcc	600
ctctaatacac	acacaggaag	agtgtgtaga	agtggaaata	cgatagcctc	ctttccca	658

<210> 4954

<211> 570

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4)...(247)

<223> similar to gi4539520 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4954
ggggattatg tagaaagata tgatcccaaa acagacactt ggaccatggg ggctcctttg      60
agtatgcccc caaatgctgt tgggggctgt ctcccttgggt acagattata tgctgatggg      120
ggctatgatg gacagacata cctcaacact atggaatcct atgaccaca aactaatgag      180
tggacacaga tggcttcctt gaattattggg agagcagggt cctgtgtggg agtcatcaag      240
caaccttgac ttattgatat tttacttgga aagattttac ttgctggagt ggttattttt      300
atattgaatg gcaagaatga gaacttccag agatgaaaac tcttcaagaa caaggatctc      360
tgtagcgtaa cctactgatg ttgaaagagt tagtagatca aacagaatag taggaaacaa      420
gaaaacatta aacttatata ggaaaaatgt ctggccatat gttagttagt tggggaatgg      480
ttattggtaa tttgttttgt attatagcat acaataacta gagttaccaa aggcttgttt      540
tttcttgagc agttgaaagg agagaccaat                                     570

```

<210> 4955

<211> 1371

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1285)...(757)

<223> similar to gi3417425 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4955
tttttttttt ttaaaaaggc acataaaaaat atttttatatt tctataaata cattaggaaa      60
tgtattttctt cccaacccag tccaccccat taactcaatt ttttctacat aaaaaagatg      120
ctaataccac cctcacctgt gactgctaaa cagagaaaga ttgcttgagc taggcattat      180
cctcctagtt ggaaataaag gccctttctg ggggcaggaa gtgggatttt caggggaccc      240
tacagacgta ggcagccaag agtcaaaca aacaagcata tgcaatagtc ataattatgc      300
tagtatgaca gtatgaatta ggtgactcag ccaggcacat acaggagtgc ggagtgggga      360
cagtgggaag ccacaaaact ccatgtttgg gccatcagta gacacttggg ctgagaaaca      420
cagtaaaatg tctgcccggg tagtcacgat cattctagta tgaggtagac aggaagcaga      480
gcagggccag gaaatggaag gggccacca ggccctcagg agtccctgac aaggggaagg      540
ccctccatgc tctctgaggg tggcggggct ccaaagatcc tgggccagga gccctttgtt      600
ggagcggggc ttgtcctggg cagttgccag gcgagccggt tcacgtcccc ctggccgtgc      660
tgctttacgg gccctcagtt cctgctcagt aggacgttgg gcaaagtgtc aggagccatc      720
tgggcgagca gggctcccat cggcgcgaag aaagcgttgt ccccgttcca cactttgaag      780
atagaagtcg gtctcacgct tggcttgagc aacctccgct ctcaagcgtt gcttgcgcac      840
ctggcgctca aaggcgagggt gctcgctgag gtgggaccag gtgaaacggt gcaagtactt      900
gaggttccaa agatcataac ggaaggggct gcgcctgcgg gcacccatag gcgtgttgtg      960
tagactggcc gccacgcgct tggctatgag cttgtcacgg aactccaccc atccctcggt      1020
gtagtccctg gtgtaggacc gcttttttcc tccggcagct gctgctgctt tcttcttgcg      1080
tctcacgaac cggctcctcag cctgaaagaa gacgcgtccg acctcgccat aggcgtgtag      1140
aaggttgagg acgtgcaggg gccggaagcg cggcgggata tggcccagggt acacaatacc      1200
tggcactacc cgtttcttgc tgccacaggg cgcttcttcg gattctctct gctcctctc      1260
cgcacttagt gtctgttctg tcccttcag cggtcttgcg tccgttgagg ccttctccga      1320
ttcctctgcc tccatgttga ctgacacgag cggcctcggt ccgctcggtc c                                     1371

```

<210> 4956  
 <211> 1496  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1459)...(524)  
 <223> similar to gil280135 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4956

tttttttttt	ttgggttttg	tttggttttg	ttttgttttg	tttattgtgg	taaaatacaa	60
aatctaccgt	cctacaagga	gggtggcggt	cagtaccttc	accacgccgt	gcagccatcc	120
catctgattc	cagaacattc	tcatcaccca	gaaggcagcc	ctgtcccat	tatgtcacct	180
agtcaccccc	aggtccccct	ccccagtccc	ggcacccacg	aatcctctcc	ctggattctg	240
tgggattggg	tctgtccggg	gacattttca	taggaagtgg	ggatcacagc	ggtagccttc	300
tgtgtctggg	gtctctcact	gagcgtgaca	tcctcaaggt	gcacccgcac	tgtggcctgg	360
gtcagagctt	cgcacctcct	tgtggctgag	tctcattcca	gcgcgtgggt	gcgtgggtgg	420
ccgcgccgtg	ctgatccccct	caccttcact	gggtgttcgg	tgttctccgc	ctcgggctgt	480
cacaaatcgt	gctgctgtga	gccactgcgt	gcaggtctca	tcagcgtcgc	aggcgggtcg	540
gccacagcag	gaggctacag	agacacaggg	cagcggccac	gccacgccg	cccgtcacag	600
ccaccatcgc	ccagtggtaa	aagctcacgc	aggccctgca	gcagagctct	gaggggcaag	660
ggtgcaggct	ctggatggcc	atgactgcc	gccattggc	caccttatcc	aagaagctca	720
tggagccgta	cacgaacgct	ccgctgttcg	tgtggggacc	gatgaggtcg	gccgtcatgg	780
ccagcgaggt	gacgaggatg	gtggcacagc	cagcaccacg	cagcacagcc	gctgcgtaca	840
cggccacacc	cagtccctcc	gccagcgcca	cccaggcggc	aaaggccagg	atcaccagga	900
ggcctgagaa	gtaggtcattg	ttcctcccaa	tgcacttggt	gatgggcttc	atgaggaagg	960
aggacaagaa	gccgctgagg	tacatcacca	ggggaatggg	cgcatgaac	ttcttgggca	1020
ggtggagcga	gtaggtgagg	tacatggcca	tgtaggctctg	ggacagggttc	acgatgagcc	1080
tgggtggcat	gtacagtatg	cccacctggg	agaaagccgg	ctcccggagc	cagtgtctcc	1140
agagcagcag	gggctggggc	gtggcagggg	ccaacagggg	ggtgtgctcg	cctgggtcct	1200
ccgcatgcgg	ccggcgcttc	tcccgggtgc	ccaggtggaa	tagcagttag	aacacggcgc	1260
cgacacccac	caccagcagg	gacaggttcc	ggaacacggg	cacgtcctgg	ccccccagct	1320
ggtcgtgat	gctgatgtct	tgggtgggct	ccaccgcga	cgagccctgc	aggtgcagca	1380
ggagccaggc	ggcgccgtag	acggtgatgt	tggccaccac	ggtgaacgca	tacctgagt	1440
ccgtgagctc	caccttctcc	ggacgcgtgg	gtcgaccggg	caaaacggag	cggctc	1496

<210> 4957  
 <211> 729  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(559)  
 <223> similar to gi498721 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



```

<400> 4957
ggaaaaacct ttagtcgtgg ctcagaactt actcaacatg agcgaattca cacaggtgag      60
aaaccctatg aatgtaagga atgtgggaaa tcttttatcc gtggttccca gcttactcaa      120
catcagagaa tccatactgg tgagaaacct tatgaatgta aagaatgtag aatggccttt      180
actcagagtt cacatctttc ccaacatcaa agacttcaca ctggtgagaa accctatgtg      240
tgtaatgaat gtggaaaggg ctttgcgctt ggcttactac ttatacaaca tcagagaatt      300
catactgggtg agaaaccata tcaatgtaag gaatgtggga aagcctttat tcgtgggttca      360
cagttgactc aacatcagcg aattcacact ggagaaaaac cctatgaatg caaggagtgt      420
ggcaaggcct ttagtcatgg ctctcagctt actctacatc agagaatcca tactgggtgag      480
aagccctatg aatgcagaga atgtagaaag gcctttactc agagttcaca tctttctcgg      540
catcagagaa ttcatactgc tggagctccg ttactctcat ggggactttg agaatgggtat      600
ctgggtgtta tggatcatgg agcagaaata cagaaggagt ctgcaaccct gatgactttg      660
tggaacagcc atactagctc tgggtctgctt gcctcctgtt tctctttaa taaaattaaa      720
catcttaaa                                     729

```

```

<210> 4958
<211> 1618
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1619)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (1)...(740)
<223> similar to gi2852615 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4958
cccattggcca cgggtgatgg cgccaagacc ctggccatcc acgtgaaggc cctgacggca      60
gactccatcc gcatcacgtg gaaggccacg ctccccgcct cctctttccg gctcagttgg      120
ctgcgcctgg gccacagccc agccgggggc tccatcacgg agaccttggg gcagggggac      180
aagacagagt acctgctgac agccctggag cccaagccca cctacattat ctgcatggtc      240
accatggaga ccaccaatgc ctacgtagct gatgagacac ctgtgtgtgc caaggcagag      300
acagccgaca gctatggccc taccaccaca ctcaaccagg agcagaacgc tggccccatg      360
gcgagcctgc ccttggcggg catcatcggc ggggcagtgg ctctggtctt cctcttctctg      420
gtcctggggg ccatctgctg gtacgtgcac caggctggcg agctgctgac ccgggagagg      480
gcctacaacc ggggcagcag gaaaaaggat gactatatgg agtcagggac caagaaggat      540
aactccatcc tggaaatccg cggccctggg ctgcagatgc tgcccatcaa cccgtaccgc      600
gccaaagagg agtacgtggt ccacactatc ttcccccca acggcagcag cctctgcaag      660
gccacacaca ccattggcta tggcaccacg cggggctacc gggacggcgg catccccgac      720
atagactact cctacacatg atgcccgcgc acccgggctg ccccgctca gccccagctg      780
ccctggcggtg gccatgtggc tttgccacgc ctgctgcaat ccaagagagc aaggaagaga      840

```

aattccatgg	gtgactttcc	tccgcagaaa	gcaaagtttg	gggagggctg	acgattttgt	900
agaacacaac	agtgacaatt	ttttttaaaa	gaatagaagg	caggaggggg	aattcgacat	960
tggtgaagac	ataatttata	ccaagttatg	cccagttggg	gaggggaagg	ctaaaaataa	1020
tattgcaggc	agggctgggt	tgggtttttt	tttttcccc	cctgaactgg	aaggatacta	1080
cctgtacaac	atcttgtgga	cacctcatgc	tttgttcaag	gccatcacia	aggaaccgcc	1140
cagggagaag	cagccggctc	tcaaagctcc	cacgcagttt	tccccgccac	tggccactcg	1200
ctggcgaccc	gatggaaggt	tttcaggctc	ctcaciaaagg	agagagggaa	gaaaagatct	1260
tttgccctgg	agatatggtc	ctgaaatctc	tcccctggct	tattccatac	catttccctt	1320
gcagatttgc	agaaacatgg	catctttcac	tgcattcttt	gaacaatcat	gtagtcgatt	1380
aaaaaaaaaa	aaacaaactt	ttttttccta	ggctgaagcc	cttttaagtt	ccatgcccc	1440
ccctccgaaa	aacccccggg	ggaagccgta	actttccctg	ccacctggag	gggcatttgt	1500
ctgcctgtct	atccctgggg	gggggcctct	aaatacacag	gggtaaatag	agccacatgc	1560
acggctcctta	ccgttttttt	tggngcagtt	cttaccattt	cctgaacaat	aaaatggg	1618

<210> 4959

<211> 2384

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (332)...(1831)

<223> similar to gi2662364 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4959

agacaacttg	atagccacag	ccctttgtct	ttctggcagc	gggtctcagt	ctgatttgaa	60
ggatgtggcc	agcacagcag	gagaggaggg	ggacacaagc	cttcgggaga	gcctccatcc	120
agtcactcgg	tctcttaagg	cagggtgcca	tactaagcag	cttgccctcca	ggaattgctc	180
tgaagagaaa	tccccacaaa	cctccatcct	aaaggaaggt	aacagggaca	caagcttgga	240
tttccgacct	gtagtgtctc	cagcaaattg	ggttgaagga	gtccgagtgg	atcaggatga	300
tgatcaagat	agctcttccc	tgaagctttc	tcagaacatt	gctgtacaga	ctgactttaa	360
gacagctgat	tcagaggtaa	acacagatca	agatattgaa	aagaatttgg	ataaaatgat	420
gacagagaga	accctgttga	aagagcgtaa	ccaggaggct	ctggacaaac	agaggcaagt	480
ggagaatcag	ctccaagtgc	aattaagca	gcttcagcaa	aggagagaag	aggaaatgaa	540
gaatcaccag	gagatattaa	aggctattca	ggatgtgaca	ataaagcggg	aagaaacaaa	600
gaagaagata	gagaaagaga	agaaggagtt	tttgcagaag	gagcaggatc	tgaaagctga	660
aattgagaag	ctttgtgaga	agggcagaag	agaggtgtgg	gaaatggaac	tggatagact	720
caagaatcag	gatggcgaaa	taaataggaa	cattatggaa	gagactgaac	gggcctggaa	780
ggcagagatc	ttatcactag	agagccggaa	agagttactg	gtactgaaac	tagaagaagc	840
agaaaaagag	gcagaattgc	accttactta	cctcaagtca	actcccccaa	cactggagac	900
agttcgttcc	aaacaggagt	gggagacgag	actgaatgga	gttcggataa	tgaaaaagaa	960
tgttcgtgac	caatttaata	gtcatatcca	gttagtgagg	aacggagcca	agctgagcag	1020
ccttccctcaa	atccctactc	ccactttacc	tccaccccc	tcagagacag	acttcatgct	1080
tcaggtgttt	caaccagtc	cctctctggc	tcctcggatg	cccttctcca	ttgggcaggt	1140
cacaatgccc	atgggttatgc	ccagtgcaga	tccccgctcc	ttgtctttcc	caatcctgaa	1200
ccctgccctt	tcccagccca	gccagccttc	ctcaccctt	cctggctccc	atggcagaaa	1260
tagccctggc	ttgggttccc	ttgtcagccc	ccacggtcca	cacatgccc	cagccgcctc	1320
catcccacct	ccccaggct	tgggaggagt	taaggcttct	gctgaaactc	cccggcccca	1380
accagtagac	aaactggaga	agatcctgga	gaagctgctg	acccggttcc	cacagtgcaa	1440

taagggccag	atgaccaaca	ttcttcagca	gatcaagaca	gcacgtacca	ccatggcagg	1500
cctgaccatg	gaggaactta	tccagttggt	tgctgcacga	ctggcagaac	atgagcgggt	1560
ggcagcaagt	actcagccac	ttggtcgcat	ccgggccttg	ttccctgctc	cactggccca	1620
aatcagtagc	ccaatgttct	tgcttctgc	ccaagtttca	tatcctggaa	ggtcttcaca	1680
tgctccagcc	acctgtaagc	tatgtcta	gtgccagaaa	ctcgtccagc	ccagttagct	1740
gcatccaatg	gcgtgtaccc	atgtattgca	caaggagtgt	atcaaattct	gggccagac	1800
caacacaaat	gacacttgct	ccttttgctc	aactcttaaa	tgacggacct	gactggggag	1860
gaagaagaag	agaaaactgat	gtgaacagga	agcgcgggtt	caagatttct	aaaactctat	1920
atttatacag	tgacatatac	tcatgccatg	tacattttta	ttatataggt	aatgtgtgta	1980
tagaaaagtct	gtattccaat	gttcgtaaat	gaaactatgt	atattatgca	gaaacagtct	2040
gttccccctc	atcttgcaat	tcctttgggg	gatgcagatt	gtagggaaga	tgatgtttag	2100
tttggccttg	aaattatgat	atccctgccc	agggctgttt	tcaaatacaa	tataaaaacc	2160
acctaggaac	ctgctgttgc	tctaaggcca	ttctgctttg	gtttggetca	gcctctagtc	2220
catttcctta	aggctcatgt	atgcagattt	aaagcctggg	gtcaccacac	tgtccaacca	2280
gatgccttgc	ttaccgaaag	cctccagaag	cctcagtatt	gttttagcca	ctctactcca	2340
aatggataaa	atgagactct	gattgagaaa	aaaaaagtaa	aaaa		2384

<210> 4960

<211> 1695

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1696)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1312)...(667)

<223> similar to gi3875410 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4960

tttttttttt	ttgcaacctt	gaatttat	tttattgaaa	cacagtacag	aaaacaccaa	60
acgtcactcg	acagcagtga	gctcatagct	gtaatggagt	tggccccaga	tgccaaacca	120
cctctgctga	ggtgtgactt	cctctggagg	gtgacatggt	caaggaaagg	gaaggtgttc	180
tctgtcaaat	tcagagacca	tgtgcacctc	caacaaaatc	acactcccta	caagttccag	240
tgtgccccca	gtggggacccc	cgtgggcaca	tctttgacaa	tggggaaggg	gttaacggga	300
agtaggtggg	gggacatcca	accccaatgg	ggcacatacc	caggaaatggg	aatgtaggct	360
gctgagtctt	cttgaggaga	aagagagagc	tatgccca	gttcagcttg	tggggcccct	420
gagacaaggg	cccacagtgt	gcggagagga	ttccaaagga	ggaggaggat	ggtgacatgg	480
acagtgactc	tggggctgcg	ggccacgatg	tggcaaaaat	ggagcagctg	ggtggaggca	540
agatgagggg	ctgaggagtg	gaaagacacc	agaatggggc	aggagagca	attccactca	600
gagtggagca	gggaacagcc	agcatattag	ggccaagacc	cggtcagcca	gcttcaaccc	660
cttcacacgc	aggatgagct	catggagggt	gatctgccat	aagttgaagg	cctcgtgaa	720
agagatctgg	gtccttctga	agaatgaaca	ggtattcttc	ttcttggtgt	cagctagcgc	780
tctgatgcag	caacgtgaca	tgttgagaaa	ggagctggcg	ctggcgcggg	tgcccagggc	840
ggcctcaatg	ccacgcagca	ggtcgttggt	cttcaagatg	agcagcatct	ggcgcggcac	900
gtgggttgagg	agatggctga	tctgggggag	gtagttggcc	gcgttggtgc	gaatctctaa	960

gtcctcagtg	gcagtgacgg	gagcttggct	gatgcctctg	ttgaccgagt	cccacgatcg	1020
cgccgtcagc	atgcaggcaa	acaaggggta	gagatccccg	gctcccagtc	gctggctgta	1080
ctccttcact	ctcttcatgt	cagtccagat	cagagactgc	cagaggtggc	agtaattcag	1140
gcggaattct	tccgtgagca	tctggtaaag	cccatgggtcc	aacaggacaa	tctccgcctt	1200
tcccgtgccg	gggtgcttcc	gcaccagtac	attgccgggg	tggggatcgc	agtgcacgaa	1260
gccattgacg	aagatcatct	cactatacat	cttgcccagg	tggcgtgaga	tctgaaagag	1320
aagaggggca	ggtgggagct	cctctccact	cacatctatc	cgagggacct	ctgtctggtc	1380
tctcaatgtg	gtcactttta	aggggaggcc	agagaaaatc	ggtgggccgg	agcggttgtg	1440
gtgggagtg	ttgtttgaga	tgacatactc	tttgagttaa	agatttctta	actttagctg	1500
caccttagaa	tcatgaaacc	atgtgggcgg	tacaaggcac	cagtattttt	taaagtcga	1560
ggtgacgtga	acatgggatt	aggtaggaga	actgcactct	ccacctccca	caccgcctcc	1620
ccgacttgtc	ccccatttct	ctcccctcgt	gccaagcttg	gcgtagttat	ctaatagcgt	1680
tttcaatnng	cccc					1695

<210> 4961

<211> 958

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (961)...(156)

<223> similar to gi4680229 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4961						
ttcgtgccgc	aatacattta	ttatttttatc	acatattttac	attccagtag	gcagcctgtc	60
cccctgtcca	acaaggccct	ttggtcctca	ctggtcggcc	tgtccagac	ccccaggtgc	120
aggcgctgt	ccggagtcga	ggctccgcga	tgtcagacgt	tcagcaggag	gggcccgtgc	180
tcctcgtctg	cagcgtcgt	gggaggaatt	tcataaatga	caaacaggga	ggagtacagg	240
cagcccagga	aggacacgag	gctggagaag	tacatcaccc	cggtggcact	gcccacggcc	300
gaggtcaggg	gccccaggac	cagggagacc	agaatctgag	ccaggaagta	ctggcagctc	360
agcagagaga	tgtccacgcc	catgccccgc	cgggtgccgt	ccgcactgga	ccctgcaaac	420
ttcttactct	gatagtaatc	gcagagcagc	gagtaaggca	aggtgcacag	ggtggaaaat	480
aaaatcccgt	aggttatgca	gagcgacagg	accacgtaga	ggttcctgga	gaggggtggca	540
agcccgtcc	ccaggccgaa	ggcgagatag	gcgatgaagt	agaggggtgc	gacgctgagg	600
aactcctcca	gcttctccag	gatagctgag	tagaaggcag	cactgaaggc	gtagatacac	660
atgccccagc	agcccatggt	cacgccgctg	ttgtacttct	gatacgctc	tgatgtgtgc	720
ggggccttgg	ggtccccctg	aaacaccacc	tcgcccata	agtctgtgta	gaagagcaac	780
atccccctga	atgagagcca	ccccaggaag	tggttgacgc	agaggggtgc	tagcgccttg	840
ggcatgttgc	agatggtgga	gcagaggcgc	cccacggaca	gaggctgtc	cgcgcgctcg	900
ctggagcccc	tcagctcgct	ctcatacttc	acgccgttga	gcaggatatt	ggccaccc	958

<210> 4962

<211> 1004

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (76)...(684)

<223> similar to gi4884435 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4962

aaatgcttac	gccaagcttg	gcacgaggct	ccctccagct	tagctttcac	ccggtggtgt	60
tcccgggagg	agagggcgga	gggaggagg	aacttgcacc	gaagcatcac	tcgagacccc	120
aaacctccag	gcctgaggcc	cagccagcgc	ccaatggatg	acaaaaagaa	gaaacggagt	180
cccaagccct	gcctggccca	gccagccag	gccccaggca	cactacggag	ggtccctgtg	240
cctaccagcc	acagcggtc	cttggcccta	ggacttcctc	atctgccatc	ccccaagcag	300
cgggccaagt	tcaagagagt	aggcaaagag	aagtgcgcgc	cagtccctgg	tggagggtgga	360
agcggctctg	caggcacgcc	cctgcagcac	tccttcctga	ccgagggtgac	tgatgtctat	420
gagatggagg	ggggactcct	gaacctgctc	aatgatttcc	actctggccg	gctgcaggcc	480
ttcgggaagg	aatgtccctt	tgagcagctg	gagcacgttc	gggagatgca	ggagaagcta	540
gcccggctgc	acttcagcct	ggatgtgtgt	ggggaggagg	aggacgatga	agaggaagag	600
gatgggggtca	ctgaggggct	gccagaggag	cagaagaaga	caatggctga	ccgtaacctg	660
gaccagctgc	ttagcaatct	gggttcatgt	ctgggtgctt	tggttcctgg	gggcatgagg	720
ggtggagaag	gtacatactc	ccaaagccat	tcctgggccc	tgggtgaaaa	ggtgggagtg	780
catggatcca	agagctctgg	gcccctcaac	ctccccagaa	gatagccccc	agagcattgg	840
ggatttgccc	tggttccctt	cctaacagaa	gcctcccttt	ttctctttgt	tggcagctgg	900
aagacctcag	taattctatg	tatcctttcc	aaggaaccgc	tctatgtgtg	tgtgttcctg	960
agaggtcagt	ttcctccac	gcgtccgcgg	acgcgtgggt	cgac		1004

<210> 4963

<211> 1490

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(1493)

<223> similar to gi3702137 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4963

aagtctggga	agttgacgag	cagatagatc	actacaagga	aagccaagac	aaatttctgt	60
ggcaagctgc	attcataggc	aaggaaacac	tgaaggatga	aagtgggtcaa	gaatgtaaaa	120
tatgtagaaa	aatcatttat	ctcaacacag	actttgtttc	tgtaaaacaa	agactcccta	180
aatattattc	atgggaaagg	tggtcaaaac	atcattttaa	ctttcttggt	caaaatagaa	240
gctatgtaag	aaagaaagat	gatggatgta	aggcatattg	gaaagtatgc	ctccattata	300
atcttcataa	agctcaacct	gcagagagat	tttttgacct	taatcaacga	gggaaagccc	360
tccaccaaaa	gcaagccctt	agaaaaagtc	agagaagtca	aactggggag	aaactctaca	420
aatgtactga	atgtggaaaa	gtgtttatcc	agaaagcaaa	cttagttgta	catcaaagaa	480

ctcacaccgg	agagaaacct	tatgaatgct	gcgaatgtgc	aaaagccttc	agccagaagt	540
caaccctcat	agcacaccag	agaactcaca	caggggagaa	gccctatgaa	tgcagtgaat	600
gtggaaaaac	ctttatccag	aagtcaactc	tgattaaaca	tcaacgaact	catacaggag	660
agaaaccatt	tgtatgtgac	aaatgtccaa	aagcctttaa	gagttcatat	catcttatta	720
gacatgaaaa	aacacacatt	agacaagcat	tttataaagg	tattaaatgt	actacgtcca	780
gccttatata	tcaaagaatt	cacacaagtg	agaaacctca	gtgcagtga	catgggaaag	840
cctctgatga	gaagcccagt	cccactaaac	attggagaac	tcatacaaaa	gagaacattt	900
atgagtgtag	taaatgtggg	aaaagcttca	gaggaaagtc	acacctctct	gttcatcaga	960
gaattcatac	aggagagaaa	ccctatgaat	gtagtatatg	tgggaagact	ttcagtggaa	1020
agtcacacct	ctctgtccat	catagaactc	atacaggaga	gaaaccttat	gaatgcagaa	1080
gatgtgggaa	agcctttggg	gagaagtcaa	cccttattgt	acatcagaga	atgcatacag	1140
gagagaaacc	ctataaatgc	aacgaatgtg	ggaaagcctt	tagtgagaag	tcaccactga	1200
ttaaacaatca	gagaattcat	acaggagaga	gaccctatga	atgcactgac	tgtaaaaaag	1260
ccttcagtag	gaagtcaact	ctcatcaaac	atcagagaat	tcatacagga	gaaaaacctt	1320
acaaatgtag	tgaatgtggg	aaggccttca	gtgtgaaatc	aactctcatt	gtgcatcaca	1380
gaactcatac	aggagagaaa	ccttatgaat	gcagagactg	tgggaaagca	ttcagtggga	1440
agtcaactct	cattaacat	cagagaagtc	acacaggaga	taaaaaccta		1490

<210> 4964

<211> 956

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (13)...(927)

<223> similar to gi289412 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4964

aacgcgccc	atggctacaa	ctggggcctc	tgggtgcatgt	acatcatccc	cccgcaggac	60
tggctggacc	gcggcgacga	gtcagcacc	atcaggacc	cagccatgat	cggctgctcc	120
ttcgtagtgg	accgcgagta	cttcggagac	attgggctgc	tggaccccgg	catggagggtg	180
tatggcgggc	agaacgtaaa	actgggcatg	aggggtgtggc	agtgtggcgg	cagcatggag	240
gtgctgccct	gctcccgcgt	ggcccacatc	gagcgcacca	ggaagcccta	caacaacgac	300
attgactact	atgccaagcg	caacgccttg	cgcgcgcgcg	aggtgtggat	ggatgacttc	360
aagtcccacg	tgtacatggc	ctggaacatc	cccatgtcga	acccaggggt	ggacttcggg	420
gacgtgtctg	agaggctggc	cctgcgtcag	aggctgaagt	gtcgcagctt	caagtgggtac	480
ctggagaacg	tgtaccggga	gatgagggtc	tacaacaaca	ccctcacgta	cggagagggtg	540
agaaacagca	aagccagtgc	ctactgtctg	gaccagggag	cggaggacgg	cgaccggggcg	600
atcctctacc	cctgccacgg	gatgtcctcc	cagctgggtgc	ggtacagcgc	tgacggcctg	660
ctgcagctgg	ggcctctggg	ctccacagcc	ttcttgcttg	actccaagtg	tctgggtggat	720
gacggcacgg	gccgcatgcc	caccctgaag	aagtgtgagg	atgtggcgcg	gccaacacag	780
cggctgtggg	acttcacca	gagtggcccc	attgtgagcc	gggccacggg	ccgctgcctg	840
gaggtggaga	tgtccaaaga	tgccaacttt	gggctccggc	tgggtgtaca	gaggtgctcg	900
gggcagaagt	ggatgatcag	aaactggatc	aaacacgcac	ggcactgacc	ccacct	956

<210> 4965  
 <211> 855  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (858)...(342)  
 <223> similar to gi5360129 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4965  
 gggccttctc ctcagtatag cactccatgg tgctgaggtt ctgcagcaca cggctcgcgct 60  
 ccagctgtgt gtctcggatc ttgttctgca gcagaatcag cttttcctca tactgggtgt 120  
 tgagcgtctg caaccgccgc tggctgttct ccagctcgtc gatcagcttc tgettgtattt 180  
 cgatctcaca agtcaggteg gccaggtecg cctggaagtt cacctccttc tectcggggt 240  
 ctgagtctga gtccaaccagg ctctcttcac tgcccagatc ctcatcttca tectcgcgcc 300  
 cttcctcctc ctcacagcca ctctcgcttc gctcttctc ctctcctcc gcctcgttct 360  
 catccgtctc ctcgctgttc tcctggttga gttttgccct ctttttgaag gcttcttct 420  
 cggggtctct cctccgctgc ctgacctcct tcttctttag ccgctccagg tectgcttgg 480  
 ccctgcggat cacctccgag gcatcctcca tggagctggc agggctgccc ccgaaggccg 540  
 gggcggctgg agaagcacc agggagtagg ggctcctagc cgaggcccg gagaggctgc 600  
 ggcgagggga ctcgttcatg gcttctactc ctagaagctt agtccgtagc tectcgatct 660  
 cccggatgta gttctggatc agcgcaccaa tggcctcatt gccatcgccg gccttggtta 720  
 gcagcaggtt ggctcctgg ctcatgagct gggtgacgag gttgttgatg gcatcgatgg 780  
 cctcctgcat ggctttcacc cgcagccgca gggccccatt ctcttctgt agcatggcat 840  
 tctctcgaa cagat 855

<210> 4966  
 <211> 1666  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(1667)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1666)...(786)  
 <223> similar to gi806570 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4966  
 gcggccgcag cacctgattt cccctcagt ggaatttcca acacactgcc ctgagtggcc 60

cagttagggc	tggcaccctt	ggctgggtggg	aggggcaggc	cctctgcctg	tctgcttaca	120
gaagcccagg	gccagagggt	ggtggaagcc	gggtagacgg	acatgtcttg	cccaaagcgc	180
atnatgacca	gagagccagg	cctgcataca	gtagtgtggag	gcatggggca	gaaagcactc	240
ccctccctcg	agcactcacc	tcacctccag	gggcaaacc	cagcaagaga	cgcaccaggt	300
ggttttccag	cccacaggag	gccctgccct	cattggcccc	ctctctcctt	tctgatttgg	360
gcccactgt	cgccgtggag	cctgggccaa	aggcactttt	ggaaacacgg	atgccagtgg	420
aggccacagc	agctccgggc	cccatggggc	tactgccact	ctctctggaa	aacaggccgg	480
agccccggaa	ggagccccct	gaaggccact	actggcaggg	cagtgccag	tggcatctct	540
cttctcttct	gttctcttgg	ttggtgcagc	tgccaatctg	atgccagaca	gacacccaaa	600
ggtgtggaag	ggtattgcat	ctcttggcaa	gttcacagtc	tgtccggttc	ctgccattcc	660
ctcctcctcc	tgagagcagc	acgttgcata	tgaaaaacgt	cccatccagg	atgcaatgta	720
aacaatgcag	aaggaaggtc	cagccgcggg	gctgagcagg	gatgtccagg	taggtcctctg	780
ccttatacct	ccgtggcaat	gacacattca	ttcctctcct	ctgatatcaa	acacacagac	840
tggtacatgg	agtccctggg	ggagcatatc	gctgatatcc	gacactctgg	cttttccactg	900
tgtaaccgca	gtggcgccct	ctctcctaag	ctcttgtcac	tgtggggaaa	ctttcctggc	960
atggtccccc	gccccagggg	ccctggggcc	agattatagt	ccaatgtgtg	gttttgcctgt	1020
ttgccacagt	tggacttgct	caggccacag	tccacttcca	gtctcttctt	ctgggtttgtg	1080
tttttaagct	gggcggcagg	aatcagggtg	tccttctgga	agtccgacaa	gttggttcattg	1140
gttccctgc	tgcctctctc	cggcctctga	agccgcagct	gccgcacagc	cactgccacc	1200
atgccagca	gtaccagcag	cactgccagc	cccacaccca	gcgagacggc	cacccagggg	1260
aagctggggc	gcaagcccac	ggggaactcg	cagcggctgc	ccacaaagcc	ataagggcag	1320
ttgcacacaa	agggtgtctg	ggagaggctc	gtgtagcagg	tggccctgtt	gaagcagggg	1380
ctcgaggcac	aggcatcgat	ggatgtccgc	acctcacagc	gtcggccaga	gaagccggca	1440
gggcagggtc	acatgagccc	attctccagg	tcattggcaag	tgccaccgtg	ggcgcaaggg	1500
ttacgggcac	agtcgctgac	gtggagttca	cagtagggtc	ccgtgaatcc	aggacggcag	1560
cggcacatgc	ggcttggacc	tcggttcagg	cactgtcccc	cgttggcaca	gggggttgcctg	1620
gtgcacctgt	ccactttctt	ctcgcagttg	gagccgggtga	agttgg		1666

<210> 4967

<211> 6506

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6509)...(246)

<223> similar to gi2224591 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4967

tttttttttt	ttcatgctta	gtgtttttatt	tcctcaaagg	agccacgcca	ttggccttcc	60
caaatacttc	ctggtatcct	tccaatttcc	accactccca	accgtcagat	tccattcagc	120
ttcctccaac	ctcagaccaa	ccactttctt	ttcacaagct	cagaccttcc	aaatatttta	180
aaaatgaata	aatgttaaat	accaactttc	actattacag	aaagggggcag	ctagaaaagt	240
ttactctgtg	cacaagactg	cgacaccccc	ctcgtagaag	ctgcgaggat	cctcctttgt	300
agcaatttcg	aagtccacgg	tgaagatgag	gtctgcacgg	gtgaagttca	ggtagacagg	360
taaggttacc	acactggcct	tcttctcggg	gtttgtctgc	ttgaccacgc	gcagctgcgt	420
caggggaagg	gcggttgaga	tggcatttga	cagtgcacgc	ttgttgttgt	tgcacgtggc	480
cccttgaagt	ttcaaaccgc	tgactccgaa	gctgcaagcg	tcaaggggtg	cgccctgtga	540
ggtggtgacg	ttgacttcca	ggcagagctc	ctccagggac	cagctgttgg	cctggggccac	600



atactgcctg	gtggcagtga	tgtacgcctc	aggcacgaac	aggccaccca	ggcacacgtg	660
gatgttcttt	agctccttgg	cgccaccaga	tgcagctgcc	agtgagatgt	tctgcagctg	720
tttgatcctc	tcgctgaagt	cggacaccca	ctggatgacg	gtcatgccgg	caggcaccgt	780
gtagtgggac	cagctccgag	gcaagatccc	tttcactagc	tcgttgatca	gcgtgcgcaa	840
gtagtgtggc	tgcttcttct	ttccttcgca	cacctggacg	acatctgcaa	ggtcctggcg	900
aacgtcctga	agcagctttg	cgcccatctt	cacttctctc	tcaaagaacc	tgaacaaagg	960
atccttgata	ttctccacgg	tgcgcttgag	gtggctcagc	gtctggggga	tgaggtgcag	1020
ccagttggac	gcggtgggtg	gcagtgtccg	catccaggca	gggcgcccgt	cggacgtgga	1080
gtctgtcctc	gtcttcttct	cagtctctgc	gtaggccagg	tcgtcctcat	cctccaacat	1140
ctgcatcttc	agcattttac	tgatcatgtc	cacaccctgt	gtggttaagga	ggactctctc	1200
ggcgttgttg	ggcaggccca	gccaggaggg	cgtctgggtg	tcggggagca	actccaccca	1260
ctgcacaaac	tcctctcgcc	tgatgccatc	tggcatttga	atgtctttat	gtccgtcgac	1320
cttgcatgcc	agcttaaaact	cactgtcgaa	actcctgggt	gtgaacaggc	gctccaggaa	1380
ggtgttgagc	agacgctggg	caaactcggt	gtccacgcgc	ccgccataaa	tggactgggc	1440
cattaagggtc	tttagtgtag	accacgggat	cttatccggg	gagatgttct	gcctgccctt	1500
ggcctgtgca	tccagccacg	tgtccaccgt	atcgcaagct	gaccgcaggt	cagactctcc	1560
aaattcatac	ttctttgacc	accccagttg	tgcgtatcgt	aagcgttctt	ggatgatcgc	1620
atgaaaccag	gccagcagga	agtacaagcg	ggcacgctcg	ttgggagact	tgcatatccg	1680
tgagacggga	atgctgctga	acgtcctcag	catgttggcc	ttcacccctg	gcggtggctc	1740
gaacacaaaag	atgcggcccc	cacggagcag	attcacaggc	accttggggg	tgatctccat	1800
ggtgaggaag	agtcggaagc	aggcatgcgg	ctgcagggaa	tgcaacttct	tctccagctg	1860
catcagccac	cctggggcca	gatgcacatt	cttcagcatc	accacactgc	ccgactttac	1920
agcgggtgtt	attgccttat	ctgcttgggt	aaagccttct	gcagagccga	ttgcaattga	1980
agtgatctgc	gtgttctgct	cggctgcaag	gtcctcgaca	tgccactggg	catcataacc	2040
aggcacagag	cacattaaga	caggagtgtt	gggcttcacc	tctgtgcccc	caatttgggt	2100
caggtcgagc	ggctgctcca	tgatggacat	gaaagactcc	ccaaggtttg	ttgaaacaaa	2160
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ctccggggag	ctgctgtcca	gccagatgcc	aaattgctcg	tctgctgaa	cctttgcaat	2340
caagtcctta	aacgcgggaa	ggcagctcag	cctcaccacc	gcctccgcct	gctccacagt	2400
caggccctgg	atcctggggg	tggagccagc	actcaggaca	atctcatttc	ctctcaagaa	2460
gtgctggaat	tctgcatcgt	aggtgggctc	ccccacgggtg	cccttcagtt	tgattcttgc	2520
cagcagcatg	gcaaaggtaa	tgtggtcctg	atgcagcatg	cctcgagcca	ctcggttaaa	2580
cgccacctgg	aagaggtcct	ttgttataat	ggacaggcgc	tgtgtgtggg	cgggtgacacc	2640
cttcagggtt	gggttctcgt	ataggacgtt	gtgataaatg	tccaggaaaa	actggaggga	2700
gtactggtac	aagaagtgtg	tctgcttgag	ggactccatg	gtgaagtaga	tgctgtgca	2760
ggcgggtggag	agcgggaggt	actgctggga	cacggtctcc	acctcctgca	tgacaatgtc	2820
cgtctcctca	actttcctgg	tgacctctgc	agcctctctc	ttcaggttct	ccagagtggg	2880
tatgatcgtg	tcgtcatcca	aaatgcgccc	tttcacctcg	ttcagagctt	gtagtagaga	2940
tttttccagc	tgacgcaaac	ggagctgaaa	ttccccttga	agtttaagaa	gatcagatcg	3000
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<210> 4968

<211> 7061

<212> DNA

<213> Homo sapiens

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<221> misc\_feature

<222> (7062)...(1105)

<223> similar to gi3327054 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4968

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<211> 1173

<212> DNA

<213> Homo sapiens

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<221> misc\_feature

<222> (1174)...(952)

<223> similar to gi3002527 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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gaattgctca	aacctgggag	gtagaggttg	cagtgaagctg	agatcgcgcc	actgcactcc	1140
agcctggggcg	acagactgag	attccgtctc	aaa			1173

<210> 4970

<211> 4413

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(4012)

<223> similar to gi6014482 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4970

atggcactta	agaacattaa	ctaccttctc	atcttctacc	tcagtttctc	actgcttate	60
tacataaaaa	attccttttg	caataaaaaac	aacaccagggt	gcctctcaaa	ttcttgccaa	120
aacaattcta	catgcaaaga	tttttcaaaa	gacaatgatt	gttcttggtc	agacacagcc	180
aataatttgg	acaaagactg	tgacaacatg	aaagaccctt	gcttctccaa	tccctgtcaa	240
ggaagtgcc	cttgtgtgaa	caccccagga	gaaaggagct	ttctgtgcaa	atgtcctcct	300
gggtacagt	ggacaatctg	tgaaactacc	attggttcct	gtggcaagaa	ctcctgccaa	360
catggaggta	tttgccatca	ggaccctatt	tatcctgtct	gcatctgccc	tgctggatat	420
gctggaagat	tctgtgagat	agatcacgat	gagtgtgctt	ccagcccttg	ccaaaatggg	480
gccgtgtgcc	aggatggaat	tgatgggttac	tcctgcttct	gtgtcccagg	atatcaaggc	540
agacactgcg	acttggaagt	ggatgaatgt	gcttcagatc	cctgcaagaa	cgaggctaca	600
tgccccaatg	aaataggaag	atatacttgt	atctgtcccc	acaattattc	tggtgtaaac	660
tgtgaattgg	aaattgacga	atgttgggtc	cagccttggt	taaatgggtg	aacttgtcag	720
gatgctctgg	gggcctattt	ctgcgactgt	gcccctggat	tcctggggga	tcactgtgaa	780
ctcaacactg	atgagtgtgc	cagtcaacct	tgtctccatg	gagggctgtg	tgtggatgga	840
gaaaacagat	atagctgtaa	ctgcacgggt	agtggattca	cagggacaca	ctgtgagacc	900
ttgatgcctc	tttgttgggtc	aaaaccttgt	cacaataatg	ctacatgtga	ggacagtgtt	960
gacaattaca	cttgtcactg	ctggcctgga	tacacagggt	cccagtgtga	gatcgacctc	1020
aatgaatgca	atagtaaccc	ctgccagttc	aatggggaat	gtgtggagct	gtcctcagag	1080
aaacaatatg	gacgcatcac	tggactgcct	tcttctttca	gctaccatga	agcctcaggt	1140
tatgtctgta	tctgtcagcc	tggattcaca	ggaatccact	gcgaagaaga	cgtcaatgaa	1200
tgcttctcaa	acccttgcca	aaatgggtgt	acttgtgaga	acttgccctg	gaattatact	1260
tgccattgcc	catttgataa	cctttctaga	actttttatg	gaggaaggga	ctgttctgat	1320
atttctctgg	gctgtaccca	tcagcaatgt	ctaaataatg	gaacatgcat	ccctcacttc	1380
caagatggcc	agcatggatt	cagtgcctg	tgtccatctg	gctacaccgg	gtccctgtgt	1440
gaaatcgcaa	ccacactttc	atttgagggc	gatggcttcc	tgtgggtcaa	aagtgggtca	1500
gtgacaacca	agggctcagt	ttgtaacata	gccctcaggt	ttcagactgt	tcagccaatg	1560
gctcttctac	ttttccgaag	caacagggat	gtgtttgtga	agctggagct	gctaagtggc	1620
tacattcact	tatcaattca	ggtcaataat	cagtcaaagg	tgcttctgtt	catttcccac	1680
aacaccagcg	atggagagt	gcatttcgtg	gaggtaatat	ttgcagaggc	tgtgacctt	1740
accttaatcg	acgactcctg	taaggagaaa	tgcatcgcca	aagctcctac	tccacttgaa	1800
agtgatcaat	caatatgtgc	ttttcagaac	tccttttttg	gtgggtttacc	agtgggaatg	1860
accagcaatg	gtgttgcctc	gcttaacttc	tataatatgc	catccacacc	ttcgtttgta	1920
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ggctcatcat	taaatgtcaa	ggcaggctgt	gtgagaaagg	attggtgtga	aagccaacct	2040
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ccctatgaag	gccccaaactg	tctgagagag	tatgtggcag	gcagatttgg	ccaggatgac	2160
tccactgggt	atgtcatctt	tactcttgat	gagagctatg	gagacaccat	cagcctctcc	2220
atgtttgtcc	gaacgcttca	accatcaggc	ttacttctag	ctttggaaaa	cagcacttat	2280
caatatatcc	gtgtctggct	agagcgcggc	agactagcaa	tgctgactcc	aaactctccc	2340
aaattagtag	taaaatttgt	tcttaatgat	ggaaatgtcc	acttgatate	tttgaaaatc	2400
aagccatata	aaattgaact	gtatcagttc	tcacaaaacc	taggatttat	ttctgcttct	2460
acgtggaaaa	tcgaaaagg	agatgtcatc	tacattgggtg	gcctacctga	caagcaagag	2520
actgaactta	atggtggatt	cttcaaaggc	tgtatccaag	atgtaagact	aaacaaccaa	2580
aatctggaat	tctttccaaa	tccaacaaac	aatgcatctc	tcaatccagt	tcttgtcaat	2640
gtaacccaag	gctgtgctgg	agacaacagc	tgcaagtcca	accctgtgca	caatggagggt	2700

gtttgccatt	cccggtggga	tgacttctcc	tgttctctgc	ctgccctcac	aagtgggaaa	2760
gcctgtgagg	aggggtcaaag	gtgtggattc	agcccgtgtc	ctcacggagc	ccattgccag	2820
ccggtgcttc	aaggatttga	atgtattgca	aatgctgttt	ttaatggaca	aagcgggtcaa	2880
atattattca	gaagcaatgg	gaatattacc	agagaactca	ccaatatcac	atttggtttc	2940
agaacaagg	atgcaaattg	aataatattg	catgcagaaa	aagagcctga	atttcttaat	3000
attagcattc	aagattccag	attattcttt	caattgcaaa	gtggcaacag	cttttatatg	3060
ctaagtctga	caagtttgca	gtcagtgaat	gatggcacat	ggcacgaagt	gaccctttcc	3120
atgacagacc	cactgtccca	gacctccagg	tggcaaattg	aagtggacaa	cgaaacacct	3180
tttgtgacca	gcacaattgc	tactggaagc	ctcaactttt	tgaaggataa	tacagatatt	3240
tatgtgggag	acagagctat	tgacaatata	aagggcctgc	aagggtgtct	aagtacaata	3300
gaaatcggag	gcatttatct	ctcttacttt	gaaaatgttc	atggtttcat	taataaacct	3360
caggaagagc	aattttctca	aatctctacc	aattcagtg	tactggctg	tttgcagtta	3420
aatgtctgca	actccaaccc	ctgtttgcat	ggaggaaact	gtgaagacat	ctatagctct	3480
tatcattgct	cctgtccctt	gggatgggtca	gggaaacact	gtgaactcaa	catcgatgaa	3540
tgcttttcaa	acccctgtat	ccatggcaac	tgctctgaca	gagttgcagc	ctaccactgc	3600
acatgtgagc	ctggatacac	tgggtggaac	tgtgaagtgg	atatagacaa	ctgccagagt	3660
caccagtgtg	caaattggagc	cacctgcatt	agtcatacta	atggctattc	ttgcctctgt	3720
tttggaatt	ttacaggaaa	attttgcaga	cagagcagat	tacctcaac	agtctgtggg	3780
aatgagaaga	caaattctcac	ttgctacaat	ggaggcaact	gcacagagtt	ccagactgaa	3840
ttaaaatgta	tgtgccggcc	aggttttact	ggagaatgg	gtgaaaagga	cattgatgag	3900
tgtgcctctg	atccgtgtgt	caatggagg	ctgtgccagg	acttactcaa	caaattccag	3960
tgctctgtg	atgttgccct	tgctggcgag	cgctgcgagg	tggacttggc	agatgacttg	4020
atctccgaca	ttttcaccac	tattggctca	gtgactgtcg	ccttgttact	gacccctctg	4080
ctggccattg	ttgcttctgt	tgtcacctcc	aacaaaagg	caactcaggg	aacctacagc	4140
cccagccgtc	aggagaagga	gggctcccg	gtggaaatgt	ggaacttgat	gccacccct	4200
gcaatggaga	gactgattta	ggagcattgt	gtcccttcga	gatggggatc	cacacactgt	4260
gaatgtgatg	actgtacttc	aggatatct	gacatactg	acaatgttaa	tctgcaactg	4320
ggattacact	ggaactacag	gaatgattcc	tttgaccacc	ttaaaaactt	tcacagtgg	4380
tccgctcgac	accattgttt	tattatatta	tat			4413

<210> 4971

<211> 1489

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (354)...(1087)

<223> similar to gi861392 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4971

ggggaacaga	ggaacattaa	tggccagagg	aacaccgtcc	cgctgagaga	gtgacgcgga	60
agcaggcaag	ctccttggcc	cctccacact	ggtgcctgtg	aaggctcctag	gctctactgt	120
tcctttgtct	catttacccc	catggccctg	gtgctcagca	caatccatgt	ccagccctta	180
ttaggtgttt	caggaagtgt	ttggatgcag	agggctctgca	cagggagtca	agcctgggga	240
gagggaggaa	ggtgaggggtg	gcacggtcag	ggctggggag	cccgatggtc	gggggtcttac	300
tcccagggat	gtcctgagca	gtgacgggct	tgttcttaca	ggcgtgatc	ccgctggccc	360
tggaaggcac	ggacgtgggg	cagacaaagg	cagcccaggc	ccttgccaag	ctcaccatca	420
cctccaaccc	ggagatgacc	ttccctggcg	agcggatcta	tgaggtggtc	cggcccctcg	480

tctccctggt	gcacctcaac	tgtcaggcc	tgcagaactt	cgaggcgctc	atggccctaa	540
caaacctggc	tgggatcagc	gagaggctcc	ggcagaagat	cctgaaggag	aaggctgtgc	600
ccatgataga	aggctacatg	tttgaggagc	atgagatgat	ccgccgggca	gccacggagt	660
gcatgtgtaa	cttggccatg	agcaaggagg	tgcaggacct	cttcgaagcc	cagggcaatg	720
accgactgaa	gctgctgggt	ctgtacagt	gagaggatga	tgagctgcta	cagcgggcag	780
ctgccggggg	cttggccatg	cttacctcca	tgcggcccac	gctctgcagc	cgattcccc	840
aagtgaccac	acactggctg	gagatcctgc	aggccctgct	tctgagctcc	aaccaggagc	900
tgcagcaccc	gggtgctgtg	gtggtgctga	acatggtgga	ggcctcgagg	gagattgcca	960
gcacctgat	ggagagtga	atgatggaga	tcttgctcag	gctagctaag	ggtgaccaca	1020
gcctgtcac	aagggtgct	gcagcctgcc	tggacaaagc	agtggaatat	gggcttatcc	1080
aacccaacca	agatggagag	tgaggggggt	gtccctgggc	ccaaggctca	tgacacgct	1140
acctattgtg	gcacggagag	taaggacgga	agcagctttg	gctggtggtg	gctggcatgc	1200
ccaatactct	tgcccatcct	cgcttgctgc	cctaggatgt	cctctgttct	gagtcagcgg	1260
ccacgttcag	tcacacagcc	ctgcttgccc	agcactgct	gcagcctcac	tcagaggggc	1320
cctttttctg	tactactgta	gtcagctggg	aatggggaag	gtgcatccca	acacagcctg	1380
tggtacctgg	ggcatctgga	agggcgccca	catcagcagc	ctcaccagct	gtgagcctgc	1440
tatcaggcct	gcccctccaa	taaaagtgtg	tagaactcca	aaaaaaaaa		1489

<210> 4972

<211> 887

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (227)...(373)

<223> similar to gi5726241 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4972

cacaatttca	gctcactgca	gcctccgct	cccaggttcg	ggtgattttc	ctgcctcagt	60
ctccagagt	gctgggattg	cgggcgcccg	ccaccacgcc	cggtgggttt	ttggatatgt	120
tagtggggac	ggggtttcgc	catgttgacc	aggctgggtc	tgaactactg	acctcgggcg	180
atccgcctga	ctcagcctcc	catagtgccg	gcattacagg	cgtgagccac	cgctggcat	240
ggtgcagaag	ctggatacct	accaggagta	caaggaggct	gcgtcctctt	accaggaagc	300
ctggagcaca	ctccggaagc	aggtgtttgg	atcctggatc	agaaaccac	cggattatca	360
ccagttcaag	tgagaaggaa	atgtttgctc	tggtagcagg	acccttcac	ctgaactgcc	420
ttcctccacg	caggacaagt	cttagctttt	ttggtagtta	aatcagggaa	cattctttct	480
gagctttgca	tctctgttgt	gtaatacaga	tggaatctgg	aacttagagc	aagctatact	540
tgattgaagt	agctctctgc	taaaatggca	tctcactaat	gacctcacta	tctgacttcc	600
attgtgtttt	attgcttctc	taaaatatga	aatcagagtt	tggaacatga	tgctttgaaa	660
gtactctgca	gcagctctgt	tttatgggtt	cctacattga	ttcagcaaat	atttattgag	720
ctgaaatgat	gtttgacgct	ctgcaagttt	tacagctttg	cctagcatag	cgaacatata	780
ttttgtattc	ccagcctttc	tttcttcagg	gagccattct	tttcccatte	ttcagtgatc	840
ctgctctgtg	cctcagactt	ggctgaaggt	aaccttactc	cctggct		887



<210> 4973  
 <211> 2550  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(2156)  
 <223> similar to gi473522 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4973

gatggcgcg	gagctatacc	acgaagagtt	cgccccggg	ggcaagcagg	cggggctgca	60
ggtctggagg	attgagaagc	tggagctggt	gcccgtgccc	cagagcgctc	acggcgactt	120
ctacgtcggg	gatgcctacc	tgggtgctgca	cacggccaag	acgagccgag	gcttcaccta	180
ccacctgcac	ttctggctcg	gtaaggagtg	ttcccaggat	gaaagcacag	ctgctgccat	240
cttcactgtt	cagatggatg	actatttggg	tggcaagcca	gtgcagaata	gagaacttca	300
aggatatgag	tctaagtact	ttgttagcta	tttcaaaggc	ggtctgaaat	acaaggctgg	360
aggcgtggca	tctggattaa	atcatgttct	tacgaacgac	ctgacagcca	agaggctcct	420
acatgtgaag	ggtcgtagag	tgggtgagagc	cacagaagtt	ccccttagct	gggacagttt	480
caacaagggt	gactgcttca	tcattgacct	tggcaccgaa	atttatcagt	ggtgtggttc	540
ctcgtgcaac	aaatatgaac	gtctgaaggc	aaaccaggta	gctactggca	ttcggtaaca	600
tgaaggaaaa	ggaaggctctg	aactaattgt	cgtggaagaa	ggaagtgaac	cctcagaact	660
tataaaggta	ttgggggaaa	agccagagct	tccagatgga	ggtgatgatg	atgacattat	720
agcagacata	agtaacagga	aaatggctaa	actatacatg	gtttcagatg	caagtggctc	780
catgagagtg	actgtgggtg	cagaagaaaa	ccccttctca	atggcaatgc	tgctgtctga	840
agaatgcttt	attttggacc	acggggctgc	caaacaaatt	ttcgtatgga	aaggtaaaga	900
tgctaattcc	caagagagga	aggctgcaat	gaagacagct	gaagaatttc	tacagcaaatt	960
gaattattcc	aagaataccc	agattcaagt	tcttccagaa	ggaggtgaaa	caccaatctt	1020
caaacagttt	tttaaggact	ggagagataa	agatcagagt	gatggcttcg	ggaaagttta	1080
tgtcacagag	aaagtggctc	aaataaaaaca	aattcccttt	gatgcctcaa	aattacacag	1140
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ttggcgtgta	gaaaacaatg	gtaggatcca	agttgaccaa	aactcatatg	gtgaattcta	1260
tgggtggtgac	tgctacatca	tactctacac	ctatcccaga	ggacagatta	tctacacgtg	1320
gcaaggagca	aatgccacac	gagatgagct	gacaacatct	gcgttctctga	ctgttcagtt	1380
ggatcggtcc	cttggaggac	aggctgtgca	gatccgagtc	tccaaggga	aagagcctgt	1440
tcacctactg	agtttgttca	aagacaaaacc	gctcattatt	tacaagaatg	gaacatcaaaa	1500
gaaaggagggt	caggcacctg	ctccccttac	acgcctcttt	caagtccgga	gaaacctggc	1560
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ggaggaggag	aaaggagcag	agtatgtagc	aagtgtccta	aagtgcaaaa	ccttaaggat	1740
ccaagaaggc	gaggagccag	aggagtcttg	ggaattccct	tgggagggaa	aaaaagactt	1800
accagacct	tcaccactac	tggaaaccca	ggctgaagac	catccacctc	ggctttacgg	1860
ctgctctaac	aaaactggaa	gatttgttat	tgaagagatt	ccaggagagt	tcaccagga	1920
tgatttagct	gaagatgatg	tcattgttact	agatgcttgg	gaacagatat	ttatttggat	1980
tggcaaagat	gctaataaag	ttgagaaaaa	agaatctctg	aagtctgcca	aaatgtacct	2040
tgagacagac	ccttctggaa	gagacaagag	gacaccaatt	gtcatcataa	aacagggccca	2100
tgagccaccc	acattcacag	gctgggttct	gggctgggat	tccagcaagt	ggtaaatttg	2160
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cacctgtaat	cccagcactt	tgagaggatg	aggtaggcgg	atcactgggg	tcaggatttc	2340
gagaccagcc	tggccaacat	ggcgaaaacct	cgcctctact	aaaaatacaa	aaaaatttagc	2400
tgcgcgtggt	ggtgcacgcc	tgtagtccct	gctacttgga	aggctgagac	aggaaaatttg	2460
cttgaacca	ggaggctgag	gttgcagtga	gccaggattg	cgccaccaca	ctccagcctg	2520

ggcaacagag actctgtctc aaaaaaaaaa

2550

<210> 4974  
<211> 1100  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (11)...(238)  
<223> similar to gi5834580 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4974  
actggaaagg aaacttttct accctgagtg cgagataaga acgatgggtg gaagagagca 60  
acgccagagc ccaggcgccc agaggacttt cttccagctt ctgctgtcct tctttgtgga 120  
gagcaagctc cacgaccacg ctgcttactt agtagacaac ctgtgggact gtgcagggac 180  
tcagctgaag gactgggagg gtctgacaag cctgctgctg gagaaggacc agagcacgtg 240  
ccacatggag ccaggggccag ggaccttcca cctcctaggg tgaaaccagg agggattgct 300  
tgcttcactt gtacaaggca ggaacgggtg catcggggtg gggaaaactg gaggttggaag 360  
gtggctaate tttgattcta tgtttttgat cctcctggca ctccagacct gggatgatgtg 420  
caggagagca cactgataga aatccttggtg tccagtgcct agcaactcct gcctcagcct 480  
cccagacagc tgggactaca ggcgcccgc accacgcctg gctaactttt ttgtattttt 540  
ggtagagacg ggttttcacc gtgttggcca ggatggtctt gatctcttga ccttgtgatc 600  
cacctgcctc atcatcccaa agtgcctggga ttacaggcgt gagccactgc gccagcatg 660  
ttagacaatt ttaattcat cctctctgtg ctgttgtttt ctcagctgtg aaaggaatat 720  
tctggtgggg acaaggttac agagttgctg agagggtctc atgacatgaa ggtactggcc 780  
ttggcacagt gcctgggggg gcggggactc cgcacatgcc tgtgatgtca cagttactgt 840  
cagttcacag cgaaccttcc ctcttttccc tgttgacttt cccacactcc tgtaaccttc 900  
cctccctccc ttcttctctc ctctctctct cactcacgca cagcacaca cacacacaca 960  
cacacactcc attcactgtc tccatgactc tggagtaaac taacgtctcg agttgccatt 1020  
ggaagcccca ttgtctcat ttagactttc atgggttata ggcacttttg acttctctggg 1080  
gtccttcttc agataaaaag 1100

<210> 4975  
<211> 885  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(886)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature

<222> (850)...(652)

<223> similar to gi3659694 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4975

tttttttttt	ttgagatgga	ttgaagcgac	tgcctttatt	gcatagacct	tttcaattgc	60
tttttagatt	ggggacggag	gacgcgcatg	agacgaacag	gggatatgaa	tttccccgcc	120
cccacccgcg	ggtagaggaa	cattaggtgc	aaatcctagc	gccggccccg	gggaacctgc	180
ccctcctggg	ctgattggcc	agctaaatgg	aggcaccgga	gtggatgggg	cgaggctgcg	240
ggccctgacc	ggccgactca	ctgaggccta	ccccagccag	tacattccag	gtcctgtcat	300
tgggcgacgc	gtaaaataga	ctccgccctc	agccatcctg	gccgggtagg	agcagggtggc	360
aagcgtcagg	actgagccct	gccccgtaag	ggcggcccca	gatcagacgc	caggccccgc	420
cctcattgat	caggcactac	cctcgggacg	agcccatctt	tctttaaccg	tgacgacgcc	480
caccttccag	catcacgtct	ggtcccatga	aagcgagcgc	aatcctgaga	cggggccagg	540
gcccctgcca	ccacaactct	agcagccagg	ccacaccccc	tagctcaggc	tccgccccat	600
tggaatgtag	gccccgcccc	cggcgggtac	caagcttggt	tagtttcagg	gctcccgcgc	660
cgggcagcca	ggaggccag	tgagcagtgt	accgatgcc	gggtgcatct	gtgctgttag	720
cggcccatac	tccacctgct	ccccgtccac	tgtgagcacg	ccgcgtgggt	tgagcggctc	780
taggcggaag	gcacggaccg	cggcgtagcc	cagctgcgga	cagcccaggc	tgaagtggct	840
accacgctcc	gaattccncc	gcactggact	agggatgntc	aacat		885

<210> 4976

<211> 2467

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2463)...(1784)

<223> similar to gi5304869 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4976

tttttttttt	ttaccactta	gattaagtta	tgaaatttat	ttatagtttt	accttatata	60
aaagccatgt	atatatcaaa	tctcactttc	ttggtaaagt	catcttatta	gaaatacaag	120
aagtgcactt	aatacaagga	agtaagtttc	tccgtgccac	caggtagagt	ggtacataca	180
ctcacatcag	tccctcaaac	gaaggttttc	ggcagatttc	cccttccaga	cttctgagat	240
gatctgaatt	caggaagggtc	tgagtgaact	tcttccagaa	attacagtga	aacaagctga	300
ccttaacttt	tgggtcctcc	cgagaaatac	taatgaaaaa	actatttttt	tccagtgggc	360
cctgtgtttg	ctggcttctc	ggcatctgca	gctcttcacc	ggcaggcgcg	gagccccaca	420
gcagcagtgt	acaagcgca	ggtagcactt	gcagcccat	cagagacata	tgacatcaaa	480
aaaccaacct	aaacccatat	gccttttggt	caatcagagg	ttctgctcct	acagattagg	540
ctgacagctc	ttggacttat	atttattaat	atttgtgaaa	tatgaactcc	aaggttcctg	600
agctgttcct	aaagcaagtt	tccagcaaca	gcttttatta	acaactgttc	atcttgcgat	660
gtgctgtgcc	ttatgaacga	tgtctcgta	gaacagacca	ggggtggtag	tgggtttcct	720
atagcttctc	tctgcatcta	caaagcaggt	tttcaaacac	attttacatg	tcgaaaacag	780
tgtcataagg	aaaacatttg	tgacagaaaa	acaatgctca	gtttaatcta	agttaccaag	840

cagaaggttaa	aagaactagt	atccgctgag	tccccaacc	tctttcttct	aattcatctg	900
aggatttttt	gtgcttctag	aacaagaatg	taggcaggct	cccaaatgga	gaggtaaaca	960
tgaccgcgtt	gtttgaaact	acttcattaa	tttgtaaata	agaaccaaaa	agctctggcc	1020
ctcccacttc	tcttagctga	ccctcctccc	cacttacgga	taaacagact	ttaacttccc	1080
taaccagaa	acacttccac	caaaaatgta	tggttatacc	ttatcctaaa	aaggcaccat	1140
gcaggcattt	aagactgaac	cagtgaactc	taagtatgta	gtagtagaaa	atatcactaa	1200
tcaaaacttc	cagcatcaga	tggtacaaaa	ccccagagg	actggtgaca	tgtaccccg	1260
ggatggccaa	ccccagcttc	ttggcaaccc	cacaagccca	agcggggagc	ttcagctctg	1320
gtcagggtgca	cggctgccaa	agtctgcaca	ccttggggac	aaggaaagga	gacacttgct	1380
tcattgtgct	attcatgacc	cagaaaaggt	cctggctggc	ttgaaggacc	cgagagacaa	1440
acactggatg	ggaggaatga	gtgtgaaaca	agaggtggag	aagctagatt	atcttccaca	1500
ggaggcggca	gaagctccag	gaagtagccg	agaaccaata	cgaactcgac	cgtgtgacaa	1560
acaaggttaa	cagtagggga	agacagcttt	ggcaagagcc	caaagggaag	agaagggctg	1620
acctggggac	ccacttcccc	tgtcagaagt	gaccctgtcc	caatgccatg	gctcattttc	1680
aggtctgttg	aacaggtaag	gtacaggagt	catagatttc	acgtttaata	tgtaatggaa	1740
gctctgtaac	atgagacaga	tagcaagcac	ggactctgct	cactggctga	tgatggagcg	1800
ctgcaacacc	tgattcatca	tgctctcttc	atcaacatca	taatccacaa	aagtgtcata	1860
agaaaaccgg	tgccggcgct	ggatgtgctc	tctgaagttg	gcgctgcggt	agttggggtc	1920
tccccagggc	atcgaggcac	atatcggaca	aaccacagat	ttggtatccg	tgctatggaa	1980
taatttgcat	tgttccacaa	gtccttctctg	atcaaagttc	ttctcaggac	agtaaggaca	2040
aggaaaagtg	taacggtttg	gaacattcct	tggtgaaga	gatgcacct	taatggtggc	2100
cttcacacct	tccatgatgt	aattctggta	tttggaacaa	gtagccacgt	gggaccggat	2160
cttggaacag	aagaaattct	tacggcagcc	atggcaagaa	gtctctgtgc	tctcgatctg	2220
ccgctcgagc	tccacggctc	ggacgccagg	tgccagagcg	ctgcgacaca	ccccacagac	2280
aggcttcttc	ggcttcagac	attcctgcag	gcacgcagag	caaaagacgt	gtccgcaggg	2340
cacctgtacc	ggcttctcgt	acacctctaa	gcacacggga	cacgtgaagc	gtcctagggg	2400
gtcagcctcc	gccgccggcc	ccgccagctg	cgcagcacc	ccgcagtccc	gctgttgccg	2460
cacgaaa						2467

<210> 4977

<211> 1010

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1011)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (19)...(120)

<223> similar to gi5930071 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4977

cttcttcttt	ttaacctcag	gttaacccca	aagattgtct	tttcttggag	tgaaatcagg	60
aacatctctt	tcaatgacaa	aaagtgtgtc	attaaaccca	tcgacaagaa	ggcacctgta	120
agttccaaag	gattctattc	aggggctact	actttttcat	tcttatactt	gtcagggtaa	180
cggacaagtt	atactgtgac	gagtagccag	tgatagtcca	aactcctcat	gaggttacat	240

tgagggccag	agatcctgtg	ggccaggcaa	ttgctgcagg	ggagaccact	taacttttca	300
aatgattctc	attccttatg	aagaaaaggg	cagttctgag	ccattggcca	aatgataagc	360
atttcccaaa	atgctgtgtt	tttgggtgtg	agagccagcc	tgtccccttg	accacctggg	420
tgcagggaact	ctccccggca	cctgacggac	agtgggacct	gcgagtctca	agggccagat	480
ttgcctttca	gagctgtcct	ggaacttacc	caagataggg	acagtcagac	ttgcacccaa	540
gcattgctgg	tgcccaaggt	ttcatcgggg	cttcacccac	ttctgttgtc	agaggtgtgc	600
atcctcacac	aggtgacact	ggcaggcagt	cattttggga	ggacatggta	agaaggcgac	660
actttatgtc	ctgaaatctg	atagtattga	ttgtaatagc	tgcaaagacc	agtgcattat	720
gtaaatttgg	ttttatttat	tcttctgaca	tttaaacttt	tgtaactca	gaatatttga	780
gacatacgca	cataactgta	gcattgtaga	atgggtaagg	attttgttat	ctaatacгаа	840
atctagttct	ctaaaaaaat	tgccacctga	aggaaattct	gttaccacct	taggagcctg	900
ttctggaatt	ttacgaaaat	tataggatgg	ggaaagggac	ttttgtgttc	ctccatggtt	960
antttttgtt	nccctaggtt	accagtgttt	aagccttggg	gggagggcca		1010

<210> 4978

<211> 1001

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (927)...(556)

<223> similar to gi4584796 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4978

ttttttatca	ttgacaatgt	ttattatcaa	gaaacttttag	gtttttttaa	agaatgctcg	60
ttttagaata	caccaagagg	acactctgtg	acaggacata	tacaaacaag	gataattaaa	120
atattaaata	ctatctaaat	taaaagacca	taattcaaat	tgctaattat	aatattttgtg	180
tcggtagaaa	taactatagt	tccccttcat	gaaattcacc	cccacgttct	catgaagact	240
atgacgtctc	accacaattt	cagttattta	atttacaata	atcaatgctg	agttttctgt	300
gctgaagcat	gcaactgttac	agaaagcaca	aaatcctatt	tacagggatt	tttagttttc	360
tttaaaatgt	atctcaagca	tcttttaaag	tgcgagctac	aaatagggtg	tatccttaat	420
gaaaaaggct	tctttctaaa	agaagtatga	gatagctatc	caatactgca	ggaacagtta	480
tataactaac	cgaaggaacc	agcagcactc	tgctaactct	gttttagtgt	agcaacctcc	540
ttcttggtgt	tctactacca	gccaaacatg	tactccattg	ctttggatac	aagactttca	600
tctttttttg	gcgtttgtct	gtcagaaaata	acctgataat	cactagtaga	ggctttgtat	660
gctgtagcaa	gagggtctcat	ggtagaaatc	ctaggagtac	ttccagggtg	tgttgggtgta	720
cctagagttt	tgattgggtg	tgtaaaggct	aaagatggag	atgataaagc	acatctgtca	780
ctgctttcca	taacactttt	gtcaatacat	ggttttacac	caatcatgat	ggattctcca	840
aaaatcctcc	catctttgtc	taaggctttc	cgagcctgca	gttttagattg	ataacgaata	900
tgcataccaat	ttcctgtatt	agacatctgc	aaagaataaa	gctgtctcgt	aaaatagaaa	960
atatataaaa	tctgcctcta	atgaattcta	ctagaaaata	g		1001

<210> 4979

<211> 2745

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2747)...(1928)

<223> similar to gi574804 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4979

tttttttttt	ttcaaagtga	ggttgtttta	ttgtaaatgt	catcaaaatc	cagaacagca	60
gaaacatatt	aatcagtttg	aaattttaga	aatccttttag	cacttgaaaa	agagtattac	120
aatgcatct	atatcacata	gaaagtcagc	gaatacaaac	tagacaagca	ggacatagtt	180
cttttctggc	attccaggat	aataagaata	tttatcaatt	aaaagggtcaa	tatctgtctt	240
cctgaaataa	ctccaaacct	gagtcaacac	acattctttt	cggattgggt	ctgactggcg	300
taagaagaga	aatacagcat	tttgtttttt	attttgttta	tctaatacaca	gggaaggata	360
aacaaagggc	aaaagtgaga	gaaaaagtta	gatgtccttg	aatttttttt	tttagtgggt	420
gctactgcat	ttcatgtttc	atttttgtta	gatcatatac	attagaaaag	aatgatacat	480
tttagagaag	aaatatgtac	atacatagta	tcagaaataa	ttttcttgta	ttgattcatt	540
taatattggt	gtgcttatat	tcaatcagaa	ggccaactcc	tttgctctaa	ggttcttaca	600
ctgctaacaa	gaaatggctt	ttttcctggt	gcaggtcatg	agcagcacac	agtgtccttt	660
ctaggcacat	aggatcatcg	atcactgtgt	ggacgcaggc	taatcagaat	tgcacctgaa	720
atcacttggt	caattagtga	tgcaagagtg	atcacaggaa	tcaagactgg	gagccaagag	780
aaagaacaag	aggtgcacaa	agaagcagtt	cggatgggag	accaggaaaag	ctgaggggaa	840
aactgggaaa	cagattctgg	aaaactcaca	gtttgtttga	taccagggtt	taagagatgg	900
gactttgata	ggagtgggtc	ttatgaatta	agggaggaag	aaagaggtga	gacctaatag	960
ttggtaaagg	tacagagaca	aagggagcca	accaagtggg	aagaaactta	gaaatggaaa	1020
gtaaaaatga	gacttaattc	tttagtcagg	gaagccaagc	caccaggaaa	acttggtaaa	1080
gagtaagaga	aagagggaga	aaatatgaga	taatatTTTT	ggtatTTTTg	tataactagg	1140
ggaaccaaaa	tattattcct	atagtataaa	aaggaacaaa	gtaaagcaat	atggatctat	1200
tgggattccc	tattccacca	atgaaaatta	tcaaacaata	atttgtctct	caggcaatgc	1260
tactagaagt	tacttatata	gttgcccttat	tggttcattta	atttcagttt	aactgaagcg	1320
atTTTgcctt	tttcttctct	tctacgtggg	cactctgctg	ttcaaagggt	aagcaccatt	1380
tgTtcaggta	aagcaattgg	tgTttgaaat	ccttccgata	gatacgccat	ctcagagggc	1440
tgctaataa	actaatgta	caagacacac	ataattttag	gttgGCCatt	cttgtgtata	1500
ggggtaaatc	aaagctagta	gttacacccc	acaaaagaaa	ataaattctt	atgacactct	1560
tgatcccacc	tgaataatct	cacaataaac	aaacaaataa	ataataagca	aacaaaacaa	1620
aacagtagcc	ttccccagtt	gcaggggcct	aaaatatctc	ctaacttgaa	tttcgtctca	1680
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taggccttag	aatcttttgt	aggtagttgc	tgaaacttga	agttgaataa	tactttgaag	1860
tactatgtta	cattgcatta	tgaaaacctt	cattttttgta	gctgtctctt	gatctgcccc	1920
acatgtcaca	caaatataga	agaaacggaa	tctgcaatac	cacaaacatt	acttcccatt	1980
ttgacatggg	cataaccatc	tactcccca	gaacttcccc	aggaattccg	cacaatccaa	2040
tatggagtgc	ttcctgtttt	atcaaaccce	gttatgagaa	ctgcatgatt	tgcttctcca	2100
ctagagcagt	gatgctgtat	aatgcctccc	agataatctt	gccagctcac	tgcatctact	2160
atgactacca	aagggccaaa	ggtaagaagt	gcttttgcca	tttcatcttc	ttggtcactg	2220
aagtcatatg	cagaataacc	tttgattgaa	aatccagaat	gtgaaccaga	aaagtaatgg	2280
cacagaccat	tttgtgcttt	aaaaggatat	tctgaatctt	tcaccagttt	tacttgcata	2340
ttgtttaacc	agttcaaagc	attgagagta	gagcctccat	tgcaGCCata	attattatac	2400
gaacagtcaa	tgacctgctg	gacacttagg	tcttccaggg	gcttccccct	tattgcataa	2460
gcagattcca	ctgcccccc	cacgctgaag	gccagcatc	ctccacacat	ctgctgggtt	2520
ctcactttgt	tcacaacctg	cttgTccctc	cagtcaaate	ttaacggcaa	agacacattg	2580
gggatggaca	tatgtacttc	tgctgagtat	ctgggaaact	tggaagggtt	gcttctttaa	2640

taaatggctt	taaactcttc	aggaaacaaa	taggaaaact	gatttattcc	atagaaggcg	2700
gtggagtttt	cactgggaaa	taaagaattc	aagtatcgat	gtcta		2745

<210> 4980

<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (42)...(951)

<223> similar to gi3979818 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4980

ggaaagtaac	aggcaacgag	atgctgggcc	tcgaggaggg	ggaccttgaa	gacgacttcg	60
accctgcccc	gcacgaccag	ctcatgcaga	agtgccttgg	ggacgagtag	tacggggccg	120
tggaggagga	gaagccacaa	tttgaggaag	aagaagggt	tgaagacgac	tggaaactggg	180
acacgtggga	cgggcctgag	caggagggag	actggagcca	gcaggagctg	cactgtgagg	240
accccaactt	caacatggac	gccgactacg	acccagcca	gccgaggaag	aaaaagcgcg	300
aggccccctt	gacgggcaag	aagaagcgca	agtcgccctt	cgccgcggcc	gtggggcagg	360
agaagcccg	gttcgaaccc	ggggacaaga	cgctcgagga	gtacctggat	gagtattacc	420
ggctggacta	cgaggacatc	atcgacgacc	tgccctgtcg	cttcaagtac	cgcacagtgg	480
tgcctgtga	ctttggcctc	agcactgagg	agatcctcgc	tgctgacgat	aaggagctga	540
accggtggtg	ctccctaaag	aagacctgca	tgtacagggtc	agagcaggag	gagctgcggg	600
acaagcgggc	gtacagccag	aaggcccaga	actcatggaa	aaagcggcag	gtcttcaagt	660
cactctgccg	agaagaggca	gagacacctg	cggaagccac	aggaagcca	cagagagatg	720
aagccggccc	acagaggcag	ctgccagccc	ttgatggcag	cttgatgggg	ccggagagtc	780
ccccagcaca	ggaagaggaa	gcccctgtat	cacccacaaa	gaagccagcc	ccccagaagc	840
ggaggagggc	caagaaggca	cggtctgtgg	gccccactgt	gatgcttggt	ggatgcgagt	900
tcagccgcca	gagactgcag	gcctttggcc	tcaaccccaa	acggctgcac	ttccgccagc	960
tgggccggca	gcggaggaaa	caacaggggc	ccaagaacag	ctcctgagca	ccaggagca	1020
ggcaggggcc	tcaggctcct	ctcctcaaat	caagccctgg	acaggctctg	caccacaaag	1080
tactatctgc	tgacagatc	ctctcatctg	tggccaggca	cgctgtaat	cccagcactt	1140
tgggaggccg	aggtgaaagg	atcacttgag	cccaggaatt	ggagaccagc	gtgggcaact	1200
tagcgagact	ccatctctac	aaaatgtggt	gacacatgcc	tgtagtccca	gctactcagg	1260
aggctgggga	aggaagatca	cttaaggcca	tgagtttgag	gctacagaga	gctatgattg	1320
caccactgca	ctccagcctg	ggcaacaaag	caagaccctg	tctcttgaaa	aaaaaaa	1377

<210> 4981

<211> 1175

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (171)...(377)

<223> similar to gi3876146 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4981

cacctcagcc	tcccaaggtg	ctgggattac	aggcgtgagc	cactgcgccc	ggcctatgag	60
tcagttttat	atgtgggtggc	tctacaggag	ggcccagccc	cttagtggtg	aggggaggac	120
accgaaagta	agctgttcac	tacttacttc	tttaactttt	acttgattta	gttctgaaaa	180
ctcgaatcca	aacctctcaag	aaaggcctgg	gcgaggacat	gtacagtggg	atcaccgact	240
gtgccaggaa	actctggatt	caggaggggac	catctgcctt	catgaaaggc	gctggctgcc	300
gggcactggg	catagcacct	ctctttggga	ttgctcaagg	ggtctatttt	attgggattg	360
gagagcgcat	cttaaagtgt	tttgactaga	cagagctgga	ggtcaagtcc	ctgcgcttgc	420
cgccctctct	ctagctgttt	cacttagcct	agagggggca	agggcagggtg	gggccactct	480
ggcctgcctg	gtcctctgcg	ttgtagtget	acctcaatct	cgggagaaac	agccctatat	540
tctaacaagt	tgagcacagc	cttcttcccc	ttcgtgtcta	cactcgtttt	cctttgtggg	600
cacagctacc	aggggctttt	ggaagccctt	aaccacctac	tttcaacaa	aaatggtact	660
ttcgttgat	taattgcagg	accttaacag	gtagtcacaa	tagaagggtt	gtttctgtat	720
tttaacattt	ctatttcaca	gtcaaactcg	gcattcttca	gtcagcttga	ggatttagca	780
ttgttaatct	tggactccat	aacttatgag	tcctagcact	gattttgagg	aaaaggagga	840
tcagaagttc	aagggaccgt	gaaagccctc	agagtcagca	cctagtttga	gaccaagcac	900
cctttcgaat	ccctggatgg	ctgagggggc	tgaggccggc	tctgactggg	cagctcagcc	960
cctccccag	agcccagggt	cttgcacacc	cctccctgta	accaaggaac	actctgaaat	1020
aaagggtgaat	ggctaaaatc	tcactctgtt	atcagtgggt	acagcagata	ggctgcagtg	1080
aatgctatca	ccatctactt	ttctacgtcc	atttcaaaac	caaacattaa	aaagggcata	1140
gaagcagacc	cccgtcactc	ttcaaactga	tactt			1175

<210> 4982

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(448) (

<223> similar to gi6015436 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4982

ctggaaggac	aatggagcac	cagctgagaa	gctcatcggt	ggattcccta	cctatggaca	60
caacttcac	ctgagcaacc	cctccaacac	tggaattggt	gccccacct	ctggtgctgg	120
tcctgctggg	ccctatgcc	aggagtctgg	gatctgggct	tactacgaga	tctgtacctt	180
cctgaaaaat	ggagccactc	agggatggga	tgccctcag	gaagtgcctt	atgcctatca	240
gggcaatgtg	tgggttggct	atgacaacat	caagagcttc	gatattaagg	ctcaatggct	300
taagcacaac	aaatttggag	gcgccatggt	ctgggccatt	gatctggatg	acttcaactg	360
cactttctgc	aaccagggca	agtttccctt	aatctccacc	ctgaagaagg	ccctcggcct	420
gcagagtgc	agttgcacgg	ctccagctca	gccattgag	ccaataactg	ctgctcccag	480
tggcagcggg	aacgggagcg	ggagtagcag	ctctggaggc	agctcgggag	gcagtggatt	540



ctgtgctgtc	agagccaacg	gcctctaccc	ctgggcaa	aatg	ccttctggca	600
ctgctgaat	ggagtcacgt	accagcagaa	ctgccaggcc	gggcttgtct	tcgacaccag	660
ctgtgattgc	tgcaactggg	cataaacctg	acctgggtcta	tattccctag	agttccagtc	720
tcttttgctt	aggacatgtt	gcccctacct	aaagtctcgc	aataaaatca	gcagtcacaa	780
caaaaaaaaa	a					791

<210> 4983

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(337)

<223> similar to gi310100 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4983

agatagctcg	ctgttgtttt	tgcttcagtc	ctgggtggaga	ggacactgaa	gagcagcagc	60
cggggaagga	gggaccacgg	gtcatttatg	acgagaagaa	aggcaccgtc	tacatctact	120
cctacttcca	cttcgtgttc	ttcctagctt	ccctgtatgt	gatgatgacc	gtcaccaact	180
ggttcaacta	cgaaagtgcc	aacatcgaga	gcttcttcag	cgaggagctgg	tccatcttct	240
gggtcaagat	ggcctcctgc	tggatatgcg	tgctgttgta	cctgtgtacg	ctggtcgctc	300
ccctctgctg	ccccaccggg	gagttctctg	tgtgatgata	tcggcggtcc	cctgggcttt	360
gtgggcctac	agcctggaaa	gtgccatctt	ttgaacagtg	tccccggggc	agggactggc	420
gccctgtgcc	tgagtgggtc	tgaaaaagct	ttgagagaga	aaaaaaaaaa	tctcctgatt	480
agcttttttac	ttttgaaatt	caaaaagaaa	ctaccagttt	gtcccaaagg	aattgaaatt	540
ttcaacccaaa	ctgatcatgg	ttgaaatata	ttacccttag	gaactggata	ccagttatgt	600
tgacttcctt	ctgcatgttt	ttgccaaaac	agaatttggg	gcacagcatc	ttttcacagg	660
gataaaaaaa	tcttgtaggg	ccagtcattc	ttatcctcgg	aatagaaaaa	catcgccata	720
atthttgagtt	cccaacgcg					739

<210> 4984

<211> 1212

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1213)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1152)...(465)

<223> similar to gi1438534 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4984
tttttttttt tttggaaaag agaaagtaaa gatattccta attcagagcc aaaggtagac 60
agcagctggt ggccgggaggc cacctagaga tttatcaagg acgcgccacc ccaccaggag 120
ccccctctga tcaccaagtg ctttatcttc caagtagtaa gtcaatcaag aggtttctaa 180
agataatcca tttttgataa attagaatgg aaacagtgtc tctataatat acatacaaaa 240
gtgtcccagt tttcaactgt gagcaacaca ggtgcacaga ccagggtgtca gcgcaggaac 300
ccgacggcag gcatgctgat gccccccatt tcccgccact cccgacagct ccccgggcat 360
ggccccgatt cccgccactc ccgacagctc cccgggcatg gccccgattc ccgccactcc 420
cgacagctcc ccgggcatag cccgtgattg cctggcctca gccctcggcc ccctgcgtgg 480
gcggtcctc cccggcctct ggtttcttgt gcctgcgcat gtgcctgtac ttgtccacgt 540
acgccttcac caggttggcc accttcacgg ggttgatctc tccactcttg ctgtggcaga 600
tcttctgcac ggccttgcgc aggatgtcct tgtactctc cttgggtacc tccctcttct 660
ggtagaaggg cttgatggcc agcttcacct cctccacagc acgctcctgc atgtgcagct 720
tcttcatgta ctctctcttc ttggttttct ccgcagctag cctggggggc ggggtcttct 780
cctccagagt gctggctgca gtggcttgac tggctggctc tgaggctggg gtcagggcag 840
cgggcactgg ggccagggtc tgtgctgccc cacagcccac tagcggcagg ctcccctgaa 900
ggatgaactg gaccgtgggc tggctgacca gtgcgcaggg tgggatgctt gagggctggg 960
ccggggcagg cggcaggccg gggctgtaaa cctgagaggg gtctgtgtct gggaaccggg 1020
gttccggaag cacgtgactg ggaaagggca gctcggagaa cgctgcctg acccctgtgg 1080
gggccacatc ctccatgtcc caggctcctt ctcggggctt ctgtggcctg tgaagtggg 1140
ccccggggg cccgacagac agggagggtg gaatacggcc actcgagacg gtgatcgagg 1200
cnnnnagctc cc 1212

```

<210> 4985

<211> 2299

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4)...(1871)

<223> similar to gi5430747 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 4985
gggtttcaga aagtgtcttc tctctgtgga catgaggatt ggattagagg agtggaatgg 60
gcagcctttg gtagagatct tttgctagca agctgttcac aagattgcct gataagaata 120
tggaagctgt atataaagtc aacatcttta gaaactcagg atgacgataa cataagactg 180
aaagaaaata cttttaccat agaaaatgaa agtggttaaaa tagcatttgc tgttactctg 240
gagacagtgc tagccggtca tgaaaactgg gtaaatgcag ttcactggca acctgtgttt 300
tacaaagatg gtgtcctaca gcagccagtg agattattat ctgcttccat ggataaaacc 360
atgattctct gggctccaga tgaagagtca ggagtttggc tagaacaggc tcgagttagt 420
gaagtaggtg ggaatacttt gggattttat gattgccagt tcaatgaaga tggctccatg 480
atcattgtc atgctttcca cggagcgttg cacccttgga aacagaatac agttaacca 540
agagagtgga ctccagagat tgtcatttca ggacactttg atggtgtcca agacctagtc 600

```

tgggatccag	aaggagaatt	tattatcact	gttgggtactg	atcagacaac	tagacttttt	660
gctccatgga	agagaaaaaga	ccaatcacag	gtgacttggc	atgaaattgc	aaggcctcag	720
atacatgggt	atgacctgaa	atgtttggca	atgattaatc	ggtttcagtt	tgtatctgga	780
gcagatgaaa	aagttcttcg	ggttttttct	gcacctcgga	attttgtgga	aaatttttgt	840
gccattacag	gacaatcact	gaatcatgtg	ctctgtaatc	aagatagtga	tcttccagaa	900
ggagccactg	tccctgcatt	gggattatca	aataaagctg	tctttcaggg	agatatagct	960
tctcagcctt	ctgatgaaga	ggagctgtta	actagtactg	gttttgagta	tcagcaggtg	1020
gcctttcagc	cctccatact	tactgagcct	cccactgagg	atcatcttct	gcagaatact	1080
ttgtggcctg	aagttcaaaa	actatatggg	cacggttatg	aaatattttg	tgttacttgt	1140
aacagttcaa	agactctgct	tgcctcagct	tgtaaggcag	ctaagaaaga	gcatgcagct	1200
atcattcttt	ggaacactac	atcttggaaa	caggtgcaga	athtagtttt	ccacagtttg	1260
acagtcacgc	agatggcctt	ctcaccta	gagaagttct	tactagctgt	ttccagagat	1320
cgaacctggg	cattgtggaa	aaagcaggat	acaatctcac	ctgagttcga	gccagttttt	1380
agtctttttg	ccttcaccaa	caaaattact	tctgtgcaca	gtagaattat	ttggtcttgt	1440
gattggagtc	ctgacagcaa	gtatttcttc	actgggagtc	gagacaaaaa	ggtggttgtc	1500
tggggtgagt	gcgactccac	tgatgactgt	attgagcaca	acattggccc	ctgctcctca	1560
gtcctggacg	tgggtggggc	tgtgacagct	gtcagcgtct	gcccagtgct	ccacccttct	1620
caacgatacg	tgggtgcagt	aggattggag	tgtggaaaga	tttgcttata	tacctggaaa	1680
aagactgatc	aagttccaga	aataaatgac	tggaccct	gtgtagaaac	aagtaaaagc	1740
caaagtcata	cactggctat	cagaaaatta	tgctggaaga	attgcagtgg	aaaaactgaa	1800
cagaaggaag	cagaaggtgc	tgagtgggta	cactttgcaa	gctgtggtga	agatcacact	1860
gtgaagatac	acagagtcaa	taaatgtgca	ctgtaatgga	cttaataact	acatgcttgc	1920
agtcactggg	atcttaaaat	attatcatgt	aaacaggtca	tctttacctt	cataactgaa	1980
ttgagtttct	gggttttttt	ttttttggaa	agggagtgtg	gttttgccac	accctcccc	2040
tcccaggtta	aagcaatttt	tttttttcac	cctcctgaga	agcgggaact	aaaggcccc	2100
cccctgcccc	ggttaatttt	ggttttttta	gaaaaaacgg	ggtttcaccg	tgggcccggg	2160
gggtttaaaa	ctcctcgtct	aagggaatcg	gttggectcg	ccctcccaaa	gggcgggaat	2220
aacgggcggg	acccccctgcc	cccaccctga	gttctttttt	ttaagcccaa	agcgagagcc	2280
cttatttcag	ggctaaacg					2299

<210> 4986

<211> 1094

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (969)...(718)

<223> similar to gi9451 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4986

gaaaaccgga	ggagcaattg	gggatccagg	tgtcagaggt	aggggaacca	ggggcaagct	60
ggggctgagc	tggaggtggg	gatgagagca	ggtgtgggga	cagcaatacc	cccttggggg	120
tcacctctct	gcttcccccc	tccccaggct	tcagttcctt	ccccctgacc	ctgactcctt	180
gaacgtcact	gaaaacggca	gctattgcaa	ggagtggggg	ccgcgggcag	ccgctcttca	240
gctcgcggcc	caggggagtg	gcgaggggcg	ccccaacccc	ctgcccgcct	ctccgcacaa	300
tacttgaaca	ttcatctgta	ctgaagtgtt	acttgaaccg	ggggaatctc	ggacctgggg	360
gagccggggg	gtgaggggac	tggaccagct	tggactgaga	cctgagaccg	ggccgggtggg	420
cgcccatttg	ggactgcgcc	acccccaggc	ttgttcttgt	tttactgtat	tgagcggcgg	480

cacccgcccg	acccgcatta	tggctggggg	cgccagccca	agaatgggga	ccatgggact	540
cctccagcct	ggctcttccc	actctttcat	cgtcatggaa	acttgatatc	catttgccca	600
gggaactgcc	actcctggtt	gccatggaaa	tagcagccaa	cggacacctc	ccgatgccag	660
tgctaaggct	ggaaatggcc	ccctcttagt	tgccatggga	acctagtaac	agactctgct	720
ggccctcctt	ccctgcccc	tcctcgagcg	cggggtgggg	cttcgggacc	ccggggatga	780
gccggggccag	gtcccccccc	tccgcgcagg	cctccggggg	ggccggggct	taccatgtag	840
gggagggggag	atctatccac	atacctcagg	taacagggag	gtgcgcgggt	ggggggaggg	900
ctgggcggac	caaaggcccg	aggggtgggg	cctggggata	gcgagaggct	tgagaatggg	960
gccgcttggg	ggaggggaaga	ggcagcccgg	cgaggggcaa	gcgggggacc	cagccgggct	1020
gggcccctgg	gccccgggtc	tgtacaatac	ggtttgctat	aaaactcaaa	atcttcagc	1080
cgggaaaaaa	aaaa					1094

<210> 4987

<211> 2632

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2309)...(1375)

<223> similar to gi2062609 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4987

tttttttttt	ttaggtgtaa	aaatacagct	tttattctga	gacattgacc	ttcactagag	60
tgggacctgt	ggccccagcc	tggctggaga	agcagtccea	gggcctgagt	gacaccattt	120
ccctttcctg	aaataggaac	aagtatttcc	aaaggagaaa	ggagagccca	gagagatctg	180
tacaggacct	ctcttgcaca	tggtgactgg	aggcagaggg	tggggagctg	gagaggagtc	240
cagtccctcc	aacaaatatt	gagggcttca	aagagctctt	cctggacgtt	tctcttaatc	300
tggatttaaa	agggacagga	ggtatcttag	ggtccaagaa	cataacagga	atgggcaact	360
ctagaagtgt	ttgtgtgtgg	aaggccctaa	cctggccctg	tcctccctgt	ctctaccttt	420
ggctttcatg	aagagagatt	cacagctcag	aggaaggagg	gaatttctcc	agtcttcaact	480
ttaacaaact	cttttaagtt	ttctgcctac	cttatgttcc	ctttggccaa	tgaccacttc	540
cctgggaaca	agatcttggt	gactttcttg	ggaatctcct	aagagataag	tgctttgtgt	600
cggagacaag	ttcaggtaaa	ccaaccaagg	cagtgcctcc	cacagtcaaa	gagagaagct	660
ggagggccaa	agcctataga	gttgggcact	acagctgctc	atgctgcaga	ggagacagct	720
agtcaggaac	cctggagatt	caagacaact	tgctggctcc	ctttgcccag	ggctgtggtc	780
ctaatacacag	tccttcacct	ttcccagggt	tagcctgtgt	ttcaaatagca	tatgatctgc	840
gctgagagga	caacaggggg	tcaggaacct	ggggttctct	ggggggcaga	ctaagacgac	900
tccgggatcc	agacccttct	gcaccttcag	atgggagctc	caggcagcta	aggggccgag	960
gagaatgggc	agagatcatg	ctacaagggg	aggttctggg	gatgaggcag	taatccccac	1020
cctcagtaca	ggtctgggtt	cgccgaactc	cttgagcctc	agtccttttg	cgggtcccggg	1080
ctagggccac	agcagcatca	aaggaaagac	tacccccatt	cctccaagag	gatcgagaag	1140
ctcgggaccc	ccaagccctt	tctccaggag	tcccatcaag	ccggccaggc	ctcgggcatg	1200
gatttgcagg	tgccacatga	atcttgetac	acattgcact	gggcatcttg	gcaaactgtg	1260
gcttgggggg	caccacaggc	acagagcgga	cctgttggac	ctgaaccaga	gtggaagcta	1320
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cagaagagtg	aggattgccc	tctttggcac	agtcaacctc	cagggacgct	acacctgaac	1500
cttcagagag	ggtgtcctct	tctaaatagt	accctccagc	cctctggtct	ccctcagcct	1560

ctccatcccc	actctcccgt	tccttgctga	cctcccctgc	tcctccttca	gttgctgctt	1620
ctgggcttct	gctgtcttca	ccatctcctt	ggctctttct	tgcttcatgg	tacccttct	1680
ccctctgtcc	tttgtctca	tcctctctga	ctccctcagc	ctcttgtttc	tgtacaaactt	1740
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ctacctgggc	ttcctctctt	tgttcatact	cttctctctc	aattttctttt	tccttctcat	1860
ctgtatactc	atctcctcct	ggttcctcca	caccttttagc	ctccatactg	tcagccttct	1920
tctgaccttt	ggactttctt	tccttggcct	ctgtctcttc	cctactccct	tctctcaatc	1980
tgaactttgt	ctcttggctt	ccccagcct	ccctctatc	ctcactggcc	tttccagcct	2040
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cctgccttcc	acatctgtct	gcctcgccct	ccagactccc	tgaacccttc	cagattgggg	2220
gttttaggtcc	cagaagggga	cttaggtcat	cataggcact	caggaaaact	tcctcccat	2280
tttctctctc	aacttcaggc	ctggggccag	cggagtccag	ggaacagcag	ctggggggcca	2340
agacaaactg	tgctcatcc	agagacagg	catccagggg	tggctccaca	gagaactcct	2400
ccacctgagg	cccaactccc	aggagctcct	ccaggtagcc	catcccaggg	tcgtcctccc	2460
caggggagaa	ggctgctcct	gctgcttctg	cctgggccac	ctcccatcc	tctgccccca	2520
cccactcagg	ttctgagctg	cttgagtcct	ctaggaagga	gaaggagtcc	tgcacctcct	2580
gggacagcga	gtcctccagg	gcaggagcca	agtcgtctgg	gcctgagtct	gc	2632

<210> 4988

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (837)...(122)

<223> similar to gi4176443 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4988

gcgcgggggc	tgaaggcctg	gtctctgtct	aggtccatat	gggttccagt	tctggctttt	60
gttccgagac	acccctccgc	acatttgaaa	tcaaagggtc	agcaggaaaa	gatctgaaat	120
gtgcagagac	ttttgtgcct	tcactacctc	ttcttttgaa	ctgtagcggg	ccagagcatt	180
tccgtgaggg	agggttcagg	ggaatgtgat	cagcgggccc	tgctgcatgc	acagagtgcg	240
cagagttgag	ccatcgatct	gaggtgtaag	gtttttttaga	acaagccaat	ttgttattct	300
ccctgagctg	ctctcacccc	agctggaacc	tggggatat	ctggcgctcag	aatttcccca	360
tcctccacct	atacgaagg	gagaattatc	ccacgtagac	aagggtggct	tctgaccagt	420
cagtcccggg	gggtggcggg	acggagcagt	gatgttttta	ggtggcaaag	ggaccttcca	480
cagctcatga	gccagagagg	tgtttgtaac	tgaaccagga	gaccatgtca	atttggaatc	540
actattttctg	gctgaagtgc	tttgtgctgt	actgctgagg	ggaacgttgt	agttggaggc	600
acgaatggat	gaccaggcac	tagttgaagg	cagcgtgggtg	ttcaaggatg	aggatgaccc	660
actgttctctg	tccttgaggt	ggtcaacttc	ccgcacagta	ttaattgaaa	gattgtttat	720
gacactgcc	ggagtgcagt	aagggtcagt	ttcagggtca	atgtttggat	aacctttcca	780
tggctcacca	ggacgaaatt	ttgcccaga	cttcatgctt	aacttttcct	caatcacttc	840
tgcattcctt	ctcatccgca	cacgtcagtc	taagcacgcc	gatctgggct	acatcagtag	900
taagtccaga	tgtaaacaaa	ccatgtttgc	tggagttttg	atccaaagat	gtgttcacag	960
aaatgctgtc	cactgtcgtc	cacttcctta	gtcttga			997

<210> 4989  
 <211> 2249  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2250)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1833)...(1669)  
 <223> similar to gi4056411 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 4989
gtagaggtgg ccccttctgt ccacacgcca tgaggtcggt ccactctccc agcaacttga      60
ccggtttagt aaaaaacgat gagctgaaaa accacatgca ataaacaaga aggagcagcc      120
aacaaaatct cttaaaatct cagaaatgtt caataaacat ttgcagagcg agaaaataaa      180
taacatcgca aaggagccag tggctcctct tttccccgca tgttccttgg gtcaggggtg      240
catgtgtctc actagaagtc acatgtatta aaagcaggtg agttccagct ctctctacaa      300
ccccactggc cccaccccaa atgctcccaa cgggtccctg acaccctcgc tggtagctcc      360
tgcttttgat aagctcctct agcctcaact gcttcttgat cctgggtccc ttcccagaca      420
ggctgcccag aaccctgggt catctgctca ctggagccgc tttgccagcc agccagagac      480
cccctcccag ccatggccta aagagccaac agctgggaac ttggggtcat cccagctgc      540
gtctggtcgg cttggcggcc aactggaaaa cccagggcct ccatggcgct ctggacagag      600
gaggccccga tcccagcccc ggctgccagc caatgccagc ctgtccactt gacagaaaaa      660
cacacgctgg cgcctgccc cagggtgttt ccagaagaga aatttaatct aatttacata      720
cttctaggtg catcgataac caaaatgtgg cactgaaaaa agttaaaag gtcaatcagc      780
tcctggcttc tagctggccc aggattgcaa aataaaaaga tccacgttcc ttattctcta      840
cacaaaacgc gtttttaaaa aagtgaaggg tctagggagc tatacataga aagcaacagt      900
gaaaagggag agggagcagg agtgggggag gagagtccca cccccaacc ccacctcca      960
gggcccaga gccctgagg ctctttgggg ggccttgaca tggcaggagg cagctgtcag     1020
ctctgagctc ttcccagctg ggaaggcccc tctcgggggc agccaacaag gatttccgtg     1080
gcattgtggg ctcatgtggg ggctcccagg cccagcagg cccacagag ggagcgtggc     1140
ttcccctgag caagcacctg ggcattgatg ggtcgttcaa cccaggaact ggggggtccg     1200
ggcaggtccc ggggtctcac aggtgcgtgt tgtgtgtgtt cgcattgaca tgtgtgtgag     1260
aggatattca tgggggagag aggggaaccag aacaggggtc tttggggtct ttgcaaattg     1320
ccacggatgg cagacatcgc cctgcctggc tgcctagacg gggagtgtct tctcccctg     1380
tgaccagacc ggctgccatc agagacctgg ctgctgcccc tgctggacca ggtgggcatg     1440
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ggctcccggc gccctggctg tagtgtgccc gggccccaag gggcgccggt ttgaggtttt     1560
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aagaggagac agaggtggca cgagagggga tctggaatgc ttttgtgtta gggagcctct     1680
gccgcgctg tctgtgctg cggggcctgg gactcctcag gtgggggggt cgctttggag     1740
aagttcatct ccaggatgtg ccgctgtaag tgccgcaccc actcttcctg gatggagagg     1800
gggccctgga attccacctc acagaacctg catgggggaa cagagagagg gagtggccag     1860
tgctgtgagg agaggcgga gcatagcctt gccagcatcc ctgggcacac ctgctgctac     1920
tcagtgtgga cagagccagc ccaggaggcg ggggaagagg gaccagaag tcaggcggtt     1980
cccattggaca gccacctcca ctcacatgg ggtcatggca ggtctcaca gagaccctg     2040

```

cctctgtgct	cagaagtcac	tggtgccagg	taagggctac	tggettccag	gtacccctgc	2100
catctggcag	atacatagaa	tctgagacag	tagagggcac	agagaagcaa	atcctaccaa	2160
acgcaccaag	ccccgctct	cctgcctccc	gtcgacccgg	caattccggn	ccggtggggc	2220
nggcggagac	taatcaatg	gttttcaat				2249

<210> 4990  
 <211> 933  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (6)...(678)  
 <223> similar to gi2618752 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4990						
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gccgctgcca	tgtctgcgtc	gagtgcggcc	tggacttctc	caccctgacc	cagctcaagc	120
gccacctggc	ctcccaccag	ggccccaccc	tctaccagtg	cctcgagtgt	gacaagtctt	180
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cgaacatgaa	gcggcacatg	ctgatccaca	ccagcgctcg	gccctaccag	tgccacatct	420
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gccacatgca	cctgcacgcc	ggcagcaagc	ccttcaagtg	cccctactgc	tccagcaagt	600
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acgatgggat	atttatgtct	tcttcaaagg	acttaaataa	gatcacgtaa	acaatataat	900
aaaaatcata	actaacattt	attgagtgtc	aaa			933

<210> 4991  
 <211> 1935  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1198)  
 <223> similar to gi726403 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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<400> 4991
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acttcatccc ttgtcagcct gtcaggcctc ggcgccagcc tcaacgccag cctccacact      180
gccctcaatg ccagcttcct cgccagcccc acggagctgc cctcgccac acactcaggc      240
caggcgaccg ccgtgctcag cctcctcatc atgctgggca cgctctggct gggctacacc      300
ctctaccaat tcaagaagag cccctacctg caccctgcg tgcgagagat cctgtccgac      360
tgcgccctgc ccatcgcggt gctcgcttc tccctcatca gctcccatgg cttccgggaa      420
atcgagatga gcaagttccg ctacaacccc agcgagagcc cttttgcgat ggcgcagatc      480
cagtcgctgt ccctgagggc cgtcagcggt gccatgggccc tcggcttcct gctgtccatg      540
ctcttcttca tcgagcagaa cttggtggcc gccttgggtga atgcaccgga gaacaggctg      600
gtgaagggca ctgcctacca ctgggacctc ctgctcctcg ccatcatcaa cacagggctg      660
tctctgtttg ggtgccttg gatccatgcc gectaccccc actccccgct gcacgtgcca      720
gccctggcct tagtggagga gcgtgtggag aacggacaca tctatgacac gattgtgaac      780
gtgaaggaga cgcggtgac ctcgctgggc gccagcgctc tgggtgggccc gtcctgtttg      840
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atcgcgctca cctccctcga tggcaaccag ctcgctccagc gcgtggccct gctgtccaag      960
gagcagactg cgtacccccc gacacactac atccggaggg tgccccagag gaagatccac     1020
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ctgccctaca tgaagatgat ctttcccctc atcatgatcg ccatgatccc catccgctat     1140
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gaaaccattt ccttgattgt gtaaggaact tgctggacgc acattagaga ataaagctcc     1560
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acagcatgtg caagggtccg gaggagcgag ggcttggggc cactgaggcg ctgtggtggtg     1860
tgaagagcag tggggcggga gggaccatcc ggggtgacagc aaagggccct gtgccggacg     1920
cgtgggtcga cacgg                                     1935

```

<210> 4992

<211> 928

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (684)...(563)

<223> similar to gi3687497 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4992

```

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```



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gttgaactta	taaatacgaa	taattactac	tctgacttgt	aaatgtagct	gctaaagtat	180
gaggtatatt	taagaagaat	agattagttt	cattatacct	ataagaacaa	gaattcaaaa	240
gtgaggtagt	catccagggt	ccccctccca	caatatTTTT	gtatcataaa	atttagatga	300
cttttttggg	ttacattttt	atccatatat	tttgaactaa	cagaacttgg	cagaatgtgt	360
gttgaatatt	ctttacattt	aacaattaaa	aacaactaaa	actgaatagc	aaatagttta	420
ttggtaagta	cacggtttca	acgggagtaa	taaattcaca	tgaaaaggag	acaataatca	480
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cctaatttgg	gtactataat	taaaaagcat	gtcattcaga	ggtagggaga	aatgtcctaa	780
ggctctcttt	tatagaatag	atacaaatcc	taatattgca	tttttgcttt	tatttcttgc	840
acaataactt	ttactaaata	tcaaagggtt	caactttttt	aaaaacctat	catctttttt	900
tgtccgaacg	cgtgggcgga	cgcggtggg				928

<210> 4993

<211> 3675

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3676)...(1630)

<223> similar to gi2072501 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4993

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gcagtgaat	atttataggc	aacagatttt	aagaagtcag	ttccatggct	attaaaaaat	180
gtttaagtta	atgaaattta	cagtgcata	taaaagcatg	atacaaattg	aaatttaaaa	240
ttttgtatta	ggaagcccag	cttgctaaaa	gtagcattaa	tatcattcac	atcagatttt	300
aaattgttac	acatttttgt	agttcagcaa	aggcccttat	gatgaaaaac	aattaaaaag	360
tgttatgaca	aaaataatta	tctcgtgtaa	aaagggggag	accctaaaaga	tttttcatat	420
ggttatttta	ttcagttaaa	tagaactgtt	atgaatttga	gaggaatgaa	gatattcaaa	480
cactaacaga	aaatcattag	ccttatatta	gagcattcaa	atgcttatgt	aactcttcaa	540
tccatccggg	cttccataaa	aaccataaatt	ttgaacacaa	aaaagtggca	gagttttacat	600
taccttttgt	atgttcctaa	gtatgaaatt	gcatcaattt	attatgaatt	aaatttgaaa	660
agcatcacag	atttaaaaac	aaagtacaaa	agaagcttga	ttctttttta	ttccacaaat	720
acctagcatc	tcaaagtaac	atgtaaacaa	acttctatgc	tgctcaatga	atccttccaa	780
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<210> 4994

<211> 2633

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2634)...(325)

<223> similar to gi55819 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 4994

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agcattcaga	actgttaaga	caaaagacaa	actataattt	taaactcaat	cttgatttaa	180
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<210> 4995

<211> 2756

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2734)...(1931)  
 <223> similar to gill130494 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4995

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aaccaaagtt	aaatatctca	acgagaaggg	acacctcacg	tcgctgacag	ctcggcacgt	1560
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gcctctgtgc	tgcagcccac	ctcccagcaa	gccacgcaga	gccccggcct	tgagtccaag	1680
aatgcccagg	ggagtgtggg	acgggacggc	ccccacacag	gctggacagc	aagccgcccc	1740
cacgcaccga	agactccccca	cgcgcaggcg	gcgcacaccc	gggtctccct	agggctctgc	1800
ctcccagagc	gctgtctctca	cactgcagtt	gctgattctt	gggtcaaagt	gaaggaggag	1860
gaacgacgag	ggcagagtgc	aaacacgaag	tgcgccgggg	gcgctgggga	cgggggcgca	1920
gtgggccccta	ccagttcttg	ttgtcccagc	catcatcagt	gggcacggcc	ggcggcactg	1980
ccttcttggg	gccttccccg	ccctccccgc	cgtegetgtt	gctgttctctg	ttggtggagg	2040
ccgagcccca	cacctcccag	ctgtccgagc	tcctctctc	ggtggaggtg	tccgcgcacg	2100
tccagctgtc	gctgtctcgg	gacttgccgg	tcttggtggg	ctcagcactt	ccaaaggctct	2160
cccagaagct	ctggctctatg	ttgctgtttt	ggaagtggtc	cagaccgctg	ttctgataac	2220
tgtggccctc	cgagggggctg	tccaaggggc	cctctgcttt	ccccgaaaaa	aaggtggtga	2280
cgtcccgcga	tcccttacta	ccgactccct	ggaccttggg	cgccaactga	gagacccac	2340
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tctcgttcag	gctgtggccc	agctcggacg	ccttctgact	cgcttgggat	ccaaactttg	2460
tagcgccttc	cttggctgcc	gaggcaaacc	ggctggctcc	agtgggtgaag	ctgctccagc	2520
ccgagtacag	ggaggacatg	gcgttggtga	ggaagtcac	ttctttcttc	tgaggcgggtg	2580
gcgtgttccc	aaacccccacg	tagcgattcc	cctgggcccc	ttgataggag	ccgaggtcat	2640
cattcagcca	gtcttcaaaa	gccttgtccg	aggaggcggt	cacactctgc	ggctggccag	2700
agactcgggtg	caccatgaaa	ggcagcgtcc	tgcccacgcg	tccgcccacg	cgtccg	2756

<210> 4996  
 <211> 1380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(1098)  
 <223> similar to gi3098418 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 4996

acaagatgcg	agccatcctg	cgcataagaag	tggaggccgt	gcggtttcta	aagagggagc	60
cacacaagct	ggacagtctc	ttgaagcgtg	tgcgcagcat	gacagacgtc	ctgaccatgc	120
tgcgagagaca	tgtcactgat	gggtcctga	aaggcacgga	cgcagcccaa	gccgcacagt	180
acatggctat	ggaaaaggcc	acagcccgag	aagtcctgaa	gagtcaggag	gaggcagccc	240
acacctccgg	ccagcccttc	cacagcacag	gtgcccctgg	cgatgcgaag	tcggaagtgg	300
tgcctttgtc	cggcatgatg	gttcgccacg	cgcagagctc	ccctgtggtc	atccagccct	360
cccagcactc	cgtggccctg	ctgaaccctg	ctcagaactt	gcctcacgtg	gccagctccc	420
cagccgtccc	ccaggaagca	acctccactc	tgcagatgtc	gcaggctccg	cagtccccac	480
agatacccat	gaatgggtct	gccatgcaga	gcttggtcat	tgaagaaatc	cacagtgtga	540
gtgccaaagaa	cagggcagtg	tctatcgaga	aagcagaaaa	gaaatgggag	gaaaaaaggc	600
aaaatctgga	tcactataat	gggaaagagt	ttgagaagct	cctagaagaa	gctcaggcca	660
atatcatgaa	gtcaatacca	aatctggaga	tgcgcgcagc	cacaggccca	ctgccaaagg	720
gagatgcccc	agtggacaag	gtggaacttt	cagaagattc	tccaaattcg	gaacaggact	780
tggaaaagct	ggggggaaag	tcgccccctc	ctcctccgcc	acctcctcgt	cgaagctacc	840
tgccaggatc	gggactcacc	accacgaggt	caggcgatgt	ggtctacacc	ggcagaaagg	900
agaacatcac	cgctaaggca	agcagtgaag	atgctggacc	aagcccacag	accagagcta	960
caaaatatcc	agcagaggag	cctgcttcag	cctggacccc	atccccaccg	cctgtcacca	1020
cctcctcctc	aaaggatgag	gaggaagaag	aagaagaagg	agacaaaata	atggcagaac	1080
tccaggatag	tggatgaggt	gactgacatt	ggctccttgc	ctcccgcctg	ggtctctcca	1140
gccatggcac	tcacagattt	gttagcgaga	aggccaggga	agcgcagtgga	ccgggaccat	1200
agaagctgtg	tcttctggcc	ttagcctttg	ctttcccaag	atggcgctga	acaaggctct	1260
caggatgcct	ataagatgtg	caaggaatga	ccatttcaca	aaacaactca	cgttttccta	1320
cctctggctg	taaaattgac	tttcttttct	ttccatctta	agagattctg	cttcatttca	1380

<210> 4997  
 <211> 1549  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (114)...(1114)  
 <223> similar to gi5091611 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 4997
cgacgatttc gtggcggttc aggcgccaga gctggccgat cggcggtggc cgccgacatg      60
acgcccagag acccagagga aaccagccg cttctggggc ctcttgccgg caggtctaca      120
tctccgaaat cgcctaccca gcagtccggg gggtgctcgg ctctgtgtg cagctaattg      180
tcgtcgtcgg catctcctg gcctacctg caggctgggt gctggagtgg cgctggctgg      240
ctgtgctggg ctgctgccc ccctccctca tgetgettct catgtgttc atgcccgaga      300
ccccgcgctt cctgctgact cagcacaggc gccaggaggc catggccgcc ctgcggttcc      360
tgtggggctc cgagcagggc tgggaagacc ccccatcgg ggctgagcag agctttcacc      420
tggccctgct gcggcagccc ggcatctaca agcccttcat catcggcgtc tccctgatgg      480
ccttccagca gctgtcgggg gtcaacgccg tcatgttcta tgcagagacc atctttgaag      540
aggccaagtt caaggacagc agcctggcct cggtcgtcgt ggggtgtcatc caggtgctgt      600
tcacagctgt ggcggtctc atcatggaca gagcagggcg gaggtgctc ctggtcttgt      660
caggtgtggt catggtgttc agcacgagt ccttcggcgc ctacttcaag ctgaccagg      720
gtggccctgg caactcctcg cacgtggcca tctcggcgcc tgtctctgca cagcctgttg      780
atgccagcgt ggggctggcc tggctggccg tgggcagcat gtgcctcttc atcgccggct      840
ttgcggtggg ctggggggccc atccccctggc tcctcatgtc agagatcttc cctctgcatg      900
tcaagggcgt ggcgacaggc atctgcgtcc tcaccaactg gctcatggcc tttctcgtga      960
ccaaggagtt cagcagcctc atggaggtcc tcaggcccta tggagccttc tggcttgcc      1020
ccgctttctg catcttcagt gtccttttca ctttgttctg tgtccctgaa actaaaggaa      1080
agactctgga acaaatcaca gccattttg aggggcgatg acagccactc actaggggat      1140
ggagcaagcc tgtgactcca agctggggccc aagcccagag cccctgcctg cccagggga      1200
gccagaatcc agccccttg agccttggtc tgcagggtcc ctcttcctg tcatgtccc      1260
tccagcccat gaccggggc taggaggtc actgcctcct gttccagctc ctgctgctgc      1320
tctgaggact caggaacacc ttcgagctt gcagacctgc ggtcagccct ccagcgcaa      1380
gactaaagca gcggaagagg aggtgggct ctaggatctt tgtcttctgg ctggaggtgc      1440
ttttggaggt tgggtgctgg gcattcagtc gtcctctca cgcggctgcc ttatcgggaa      1500
ggaaatttgt ttgccaata aagactgaca cagaaaatca aaaaaaaaaa      1549

```

<210> 4998

<211> 2938

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(947)

<223> similar to gi5912247 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 4998
acgcgtccgc cggagcgggc catggacgcg ctcaagtcgg cggggcgggc gctgatccgg      60
agccccagct tggccaagca gagctggggg ggcggtggcc ggcaccgcaa gctgcctgag      120
aactggacag acacgcggga gacgctgctg gaggggatgc tgttcagcct caagtacctg      180
ggcatgacgc tagtgagaca gcccagggt gaggagctgt cggccgccgc catcaagagg      240
atcgtggcta cagctaaggc cagtgggaag aagctgcaga aggtgactct gaaggtgtcg      300
ccacggggaa ttatcctgac agacaacctc accaaccagc tcattgagaa cgtgtccata      360

```

tacaggatct	cctattgcac	agcagacaag	atgcacgaca	agggtgtttgc	atacatcgcc	420
cagagccagc	acaaccagag	cctcgagtgc	cacgccttcc	tctgcaccaa	gcggaagatg	480
gcacaggctg	ttaccctcac	cgtagcccag	gccttcaaag	tcgcctttga	gttttggcag	540
gtgtccaagg	aagagaaaga	gaagagggac	aaagccagcc	aagagggagg	ggacgtcctg	600
ggggcccgcc	aagactgcac	cccccccttg	aagagcttgg	tcgccactgg	gaacctgctg	660
gacttagagg	agacggctaa	ggccccgctg	tccacgggtca	gcgccaacac	caccaacatg	720
gacgaggtgc	cgcgccacac	agccttgagt	ggcagcagtg	ttgtctggga	gctggatgat	780
ggcctggatg	aagcgttttc	gaggcttgcc	cagtctcgga	caaaccctca	ggtcctggac	840
actggcctga	cagcccagga	catgcattac	gcccagtgcc	tctcgctgt	cgactgggac	900
aagcctgaca	gcagcggcac	agagcaggat	gacctcttca	gcttctgagg	gccccggggc	960
agccggacac	aagcggccct	gacacgtgat	ggaccaaagc	cacctgctgc	gggggagcca	1020
gttctggggc	ccgcctgcca	cctctcccag	ccctcagcat	tgtcagcctg	aagatcagag	1080
ctgcagccag	tcaggcaggg	gagagatttt	tcttttaagc	cctgctcttt	ctctgagaac	1140
caaaagatgc	cttgaatatt	tattcagtga	cttctggctt	atgctcagaa	gccagtctgc	1200
gtcaggcacg	tctcctgctg	cgtgacatgt	gcagtgtgt	aatcggtcc	cgcttgctct	1260
cctggagcaa	gctctgccct	ggctgtgggt	atcaggactg	tgaccaaaagc	atttctagtc	1320
ccttctctct	ttctaaggac	ccaaatttcc	ctgggggcat	cctgcttcc	gaaagctgtt	1380
ggatttcagt	gatttttccc	cccaccccc	agcacaggag	agcaccacac	gccgcagaag	1440
gggaatgtgt	cctcctgctc	tgcttctca	gggccccagc	aggcgggggg	tttgagccct	1500
gggaccccag	gcttctctag	agacttaagg	gggcagctcc	tgaaccaaag	acgatacagc	1560
ttggcacttt	aaagcattaa	cagcaggtgt	gacctgagg	gctcctccat	ggtgctgcat	1620
tgagtcacgc	tttcttctg	cccttctctc	aggagaaggg	gcccaaggtc	cccgaggatg	1680
gtctccacct	gtgcttgga	ccagtgtaac	tggtgtctcc	ctgctcccag	ggactgacac	1740
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atacttctctg	ggatgatgtg	tgaacctga	cacctagatt	tatttgga	tattctatga	1920
ccactttaca	gatgaggaaa	ctgaggcctc	aagcgtggag	gggtagagt	aagagtagaa	1980
cccaggtctg	atgccaaagc	tgctttcttc	tctgcctcct	cctcacgcaa	ctcacacctc	2040
cttttcttct	agctttgttg	tcttcccagg	aaccaa	ccccagctat	tttctgacca	2100
aaatgtgttt	cataacaaac	catctggtgc	ctttccacac	agaactggca	ggagcctcgt	2160
gtcctgctag	ctgtctctct	tggtgatttc	cgtgaaaatg	caagtgtttg	aagtctgctc	2220
attccgaggg	tgaacaaaa	tccaacctg	tcagaatcat	gctgttctct	ttgctgacac	2280
tgtgaccctg	ggtcgggaca	gaccagcagc	aatctgtctt	tagaatctct	ttccttctct	2340
cccttttgcc	cccgtggggc	tcccggcatc	ctgaaagcca	gcaaagcctc	cagcatcttt	2400
tccatcctga	ggtgcctccc	agtggcctgg	cttgtcggag	caagtttcat	cagccctagg	2460
gaaaacacgg	cccctcctgg	gaacctcctt	acctggagta	accggacacc	ttagacggag	2520
gtgcctgagg	gtgggggtggg	atttgcaggg	tcattatcag	aacatgagga	taacttctct	2580
gcccctgctc	tgtagccacc	tccttggcac	cggcctctat	ttgtcataag	gcggcggtggg	2640
cgaggcctga	cacaggccag	ccttggcacg	aggggggcca	ggggttctga	gaagcgtgc	2700
cctgtgagag	ccacgtgaga	gccatgctgg	ccttcgtctc	catctctggt	tgacgggctg	2760
tccgtgtgcc	tcctgtgtgt	ctgcagacac	acaggagcca	cgctggcctt	cgtctccatc	2820
tctggttgac	gggctgtccg	tgtgcccctc	gtgtgtctgc	agacaagtct	tgctgtgctt	2880
tatttgtgaa	actttaatga	ggaaaaaaca	aataataaat	gttctcgttt	tgaaactc	2938

<210> 4999

<211> 2910

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2) ... (2858)

<223> similar to gi2564330 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4999

gcagtatctg	ggagagacgc	agttcgcacc	gggccagtgg	gctggcggtg	tgctggacga	60
cccgggtggg	aagaatgatg	gcgcggtggg	cggcgtgcgc	tacttcgagt	gcccggccct	120
ccagggtatc	ttcacgcggc	cctccaagct	gaccgcgcag	cccacggccg	agggctcggg	180
gagtgatgcc	cactccgtgg	agtcgctgac	tgcccagaac	ctgtcattgc	attcggggcac	240
ggccacgccc	cgctgacca	gccgcgtcat	ccccctgcgg	gagagcgctc	tcaacagctc	300
cgtgaagact	ggcaacgagt	cgggatccaa	cctctcagac	agcggtctctg	tgaagcgggg	360
cgaaaaggac	ctgcgcctgg	gggaccgcgt	gctgggttgg	gggacgaaga	ctggcggtgt	420
gcggtacgtg	ggggagacag	actttgccaa	gggcgagtgg	tgtggcggtg	agctggacga	480
gccccttggg	aaaaatgatg	gggcggtggc	gggcaccagg	tacttcaggt	gcccacccaa	540
gtttggtctc	ttcgcgcccc	tccacaaagt	gatccgtatc	ggcttcccat	ctaccagccc	600
agccaaggcc	aagaagacca	agcgtatggc	catgggtgtg	tcagcactga	cccacagtcc	660
cagcagttcc	tccatcagct	ccgtcagctc	tgtggcctcc	tccgtggggg	gtcggcccag	720
ccgcagtggc	ctgctcacgg	agacctcttc	acgtacgcc	cgcaagatct	cgggcaccac	780
ggccttgcat	gaggcactga	aggagaagca	gcagcacatt	gagcagctgc	tggctgaacg	840
agacctggaa	cgggctgagg	tggccaaggc	cacaagccac	atctgcgagg	tggagaagga	900
gattgccctg	ctcaaggcac	agcatgagca	gtatggttgc	gaagccgagg	agaagctgca	960
gcgagcccgg	ctgctcgtgg	agagcgtgcg	gaaagagaag	gtggacctgt	ccaaccagct	1020
ggaggaggag	aggaggaagg	tggaggatct	gcagttccgc	gtggaggagg	agtccatcac	1080
caaggagagc	ctggagaccc	agacgcagct	ggagcacgcg	cgcattgggg	agctggaaca	1140
gagcctgcta	ctggagaagg	cgcaggccga	gcggtgtctc	cgagaattag	cggacaacag	1200
gctgaccaca	gtggccgaga	agtcgcgcgt	gctgcagctg	gaggaggagc	tcacctgtcg	1260
ccgaggtgaa	atcgaggagc	tccagcagtg	ctctgtgcac	tcgggtcccc	cacctccgga	1320
ccaccagagc	gccgcccaga	tccctgcggc	acgggagcgg	ctgctctcgg	ccagcaagga	1380
acaccagagg	gagagtgggg	tgctgcggga	taaatacag	aaggccctga	aggcctacca	1440
ggcggagggt	gacaagctcc	gcgcggccaa	cgagaagtac	gcacaggagg	tggcgggcct	1500
gaaggacaag	gttcagcagg	ccaccagcga	gaacatgggg	ctaattggaca	actggaaatc	1560
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catcaagatg	gagcaccagc	tggagctggg	taacttgtag	gccaagcatg	acctggagac	1740
cgccatgcac	gtgaaggaga	aggaggccct	gcgagagaag	ctgcaggagg	cccaggagga	1800
gctggctggg	ctgcagcggc	actggcgggc	ccagctggag	gtgcaagcca	gccagcaccg	1860
gctggagctg	caggaggccc	aggaccagcg	ccgggatgcc	gagctgcgtg	tgacagagct	1920
ggaaaaactg	gacgtggagt	accggggcca	ggcgcaggct	atcgagttcc	tcaaggagca	1980
gatctcgtct	gccgagaaga	agatgttgga	ctacgagcgg	ctgcagcggg	cagaagccca	2040
gggcaaacag	gaggtcgaga	gtttgcggga	gaagctcctg	gtggctgaga	acagactcca	2100
ggcggtcgag	gcctgtgct	cctcccagca	caccacatg	attgagtcga	atgacatttc	2160
agaggagacg	atcaggacga	aggaaaactgt	ggagggcctg	caggacaagc	tgaacaagag	2220
ggacaaagag	gtgacagcct	tgacctccca	gaccgagatg	ctcaggggcc	aagtaagtgc	2280
gctggagagc	aagtgttaagt	caggcgagaa	gaaggtggac	gcccctcctga	aggagaagcg	2340
gcgcctggag	gcagagctgg	agaccgtgtc	ccggaagacc	catgacgcct	cgggccagct	2400
agtcctcatc	agccaggagc	tgctgcggaa	ggagcggagc	ctgaacgaac	tgcgggtgtt	2460
gctgctggag	gccaatcgct	actcccaggg	gccggagagg	gacctgagcc	gtgaggtaca	2520
caaggctgag	tggcggatca	aggagcagaa	actcaaggat	gacatccggg	gcctgcgtga	2580
aaagctgacc	gggctggaca	aagagaaatc	cctgtcggat	cagaggcgct	actccctcat	2640
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gagctgcctt	gacaaggccc	agaccatcgg	caattccggg	tctgcaaacg	gcatccacca	2820
gcaggacaaa	gctcagaaac	aagaggacaa	gcactgatcc	tgaggggata	ctgtggagca	2880
gcccagtcca	caccagagcc	ccactgtatt				2910



<210> 5000  
 <211> 1448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (52)...(462)  
 <223> similar to gi172168 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5000

tttcgtctgc	tggcggccgg	gagcgccggt	acggggcgct	aagccggagg	ctccgggacg	60
tggatacaga	tgaaaagaag	caaagaattg	ataactaaaa	atcatagtca	agaggaaaca	120
agtattcttc	gttggtggaa	atgtagaaaa	tgtatagcaa	gctctggttg	ttttatggag	180
tatcttgaga	atcaagtgat	taaggataaa	gatgattcag	ttgatgctca	aaatatttgt	240
catgtgtggc	acatgaatgt	agaagccctt	ccagaatgga	taagctgcct	aatccaaaaa	300
gcccagtgga	cagttggaaa	actgaattgt	cctttctgtg	gggcccgttt	agggggcctt	360
aattttgtca	gcactccaaa	atgttcctgt	ggccagcttg	cagctgtaca	tctctccaag	420
agccggactg	attatcagcc	aacacaggca	ggcagactaa	tgagaccatc	agtgaataac	480
ttgtcacatc	ctatagttca	gtcaggttgt	gacaaggaag	ctctgctgac	aggtggtggc	540
tctgaaaaca	gaaatcacag	gctttttaa	atggcccga	ataataatga	ccctggaaga	600
ttaacagaag	cactctgcct	ggaggtgcga	ccaacatatt	ttgagatgaa	gaacgaaaaa	660
ctgctgtcca	aagcatcaga	acaaaaatac	cagctttttg	ttccccagct	tgtgactggc	720
agatgcgcta	caagagcttt	tcatagaaaa	tcacatagtt	tggatctgaa	catcagttag	780
aaactgactt	tattaccac	tttatatgaa	atacatagta	agactactgc	ctattccaga	840
ctaaatgaaa	cacagcctat	tgacctttca	ggcttgccct	tacaatctag	taaaaatagc	900
tattcctttc	agaatccatc	cagttttgat	cctagtatgc	tgctgcaaag	attttcagt	960
gccccccatg	agaccagac	acaaagagga	ggagaatttc	agtgtggtct	agaagctgct	1020
tcagtgtatt	ctgaccatac	taatactaac	aatctgactt	tcctgatgga	cctgccctca	1080
gctggcagga	gcatgccgga	ggcctcagac	caggaagagc	acctctcccc	tctggacttc	1140
ctgcactcag	ccaatttttc	attgggcagc	attaatcaga	ggcttaataa	gagagaaagg	1200
agcaagttga	agaatctaag	aaggaaacaa	cgaaggcgtg	aaagatggct	acagaagcag	1260
ggtaaatact	caggagtggg	attgctggat	catatgactt	tgaataatga	gatgagtaca	1320
gatgaagaca	atgaatatgc	agaagaaaag	gatagctaca	tctgtgcagt	gtgtctggac	1380
gtttattttc	acccttatat	gtgttaccct	tgccatcaca	tcttctgtga	gccctgctta	1440
cggactct						1448

<210> 5001  
 <211> 1238  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (180)...(464)  
 <223> similar to gi2911858 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5001

cggccagaaa	attgaaagcg	ttggacgccc	taccggaccg	caattcccga	tgacgatttc	60
gtctgtaacg	cagaagcgaa	atgtagcgag	ccggttgctg	cggctggacg	ctcgcccttg	120
ctgggggtgt	gggggggcac	gccgggggcc	aaggaggact	gtcgaggagg	agtgatgtga	180
attctcgctc	agcccggtc	ctcttctctc	tctgtgtccc	aggacacctg	gtgttctctc	240
acaccatcag	ctgtatgcag	ggcgggcaca	ccaccctcac	actcatcttc	atcatcttct	300
atatgacagc	tgactgctc	caggtgctga	ttctctgtga	catcgagac	tgatgggtgc	360
actggatgtg	gggcccgggc	ctggaccggg	acaacttctc	catccatac	ttgactgctc	420
tgggggacct	gcttggcact	gggtctctag	cactcagctt	ccatgttctc	tggtcatag	480
gggaccgaga	cacggatgtc	ggggactagc	ttggtcactc	aacattttcc	ccatccctct	540
gcactttcta	tttgaatttt	ttcttttgtt	cccctgtccc	tctccacccc	cacactccca	600
cctctttcta	ggacttcact	ttgataccaa	attctcatta	ttttcaatgg	gaatttttat	660
acattgagcc	aagtttgtat	agcaagaatt	tgggaaacac	agatggcctg	agataagcag	720
tacaagtagg	tttttgagac	aatcaccaag	tgcagtttca	tggtgggtgc	ctccaggtga	780
tgtggactgg	agcaggggag	ttttgtctgg	aatctgggga	catgggggtt	ggcttttagca	840
acctgtcttg	gccctaata	gaaacccttt	gtaagtgggc	tctggatttt	tggttttgtt	900
ttctttttat	ctgttttgtt	ttatttttgg	ttttggttga	acagagggac	agaagaataa	960
gtaacactcc	caaacacaga	catacttttg	tagaagtggg	ccaacttcaa	agctctggac	1020
aggagacacc	tgctccaggc	ccctgtgac	ccagttctgt	tctcttgccc	tctggacctc	1080
agcgttccca	ctcgagaaa	gagtaagggt	gactgacttt	tcaatttgtg	cacatgcctc	1140
ttgttcaatg	gcctgggtcaa	catcaacaac	ccctccctct	gatcatttcc	agttgattgt	1200
catatccaga	aaaaaatgga	acagtgcact	cttctccg			1238

<210> 5002

<211> 2610

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(769)

<223> similar to gi868189 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5002

gtggaatggg	acaaagacca	tggggtcctg	gagtcccacc	tggcggagaa	ggggagaggc	60
atggagctat	ccgacctgat	tgttttcaat	gggaaactct	actccgtgga	tgaccggacg	120
ggggtcgtct	accagatcga	aggcagcaaa	gccgtgccct	gggtgattct	gtccgacggc	180
gacggcaccg	tggagaaagg	cttcaaggcc	gaatggctgg	cagtgaagga	cgagcgtctg	240
tacgtgggcg	gcctgggcaa	ggagtggacg	accactacgg	gtgatgtggt	gaacgagaa	300
ccggagtggg	tgaaggtggt	gggctacaag	ggcagcgtgg	accacgagaa	ctgggtgtcc	360
aactacaacg	ccctgcgggc	tgtgcgggc	atccagccgc	caggctacct	catccatgag	420
tctgcctgct	ggagtgcac	gctgcagcgc	tggttcttcc	tgccgcgccg	cgccagccag	480
gagcgctaca	gcgagaagga	cgacgagcgc	aagggcgcca	acctgctgct	gagcgccctc	540
cctgacttcg	gcgacatcgc	tgtgagccac	gtcggggcgg	tggtccccac	tcacggcttc	600

tcgtccttca	agttcatccc	caacaccgac	gaccagatca	ttgtggccct	caaatccgag	660
gaggacagcg	gcagagtcgc	ctcctacatc	atggccttca	cgctggacgg	gcgcttccctg	720
ttgccggaga	ccaagatcgg	aagcgtgaaa	tacgaaggca	tcgagttcat	ttaaactcaaa	780
acggaaacac	tgagcaaggc	catcaggact	cagcttttat	aaaaacaaga	ggagtgcact	840
ttgttttgt	tttgttcttt	ttggaactgt	gcctgggttg	gaggtctgga	cagggagccc	900
agtcccgggc	cccatagtgg	tgccgggact	ggacccccgg	gccccacgga	ggccgcggtc	960
tgaactgctt	tccatgctgc	catctggtgg	tgatttcggt	cacttcaggc	attgactcaa	1020
ggcctgccta	actggctggg	tcgtttcttc	catccgacct	cgtttctttt	ctttcctatg	1080
ttcttttgtt	cagtgaatat	ccctagagct	cctaccatat	gtcaggccct	atgcctcacc	1140
ctgagaacgc	agtgagcatg	aggtggacct	gtttgctggg	aaccccaggt	cacccccctt	1200
tcttccctact	ctgtgectgg	agcatcatgt	ccacccctgc	agatccttgg	aaaagaaaat	1260
gtttatgttg	caggggtattg	catggtcacg	agtgagggca	ggcccttggg	gacacatctg	1320
cccacagctg	cacaggccag	ggcgcaggca	catctgttgg	ttctcaggcc	tcagataaaa	1380
ccatctccgc	atcatatggc	cagtgaaccgc	tttctccctt	caagaaaatt	ctgtggtctgt	1440
gcagtacttt	gaagttttaa	ttattaacct	gctttaatta	aagcagtttc	ctttcttata	1500
aagtggaaatc	accaaactct	atcacacaga	gcacagtcct	gtagttacct	agcccgcctcc	1560
agcagtgcgg	gagattgtaa	ggaagcgggtg	gcggctgggtg	aagcaagtct	cacatgtcgg	1620
cgttcttggc	caatggatac	aaagataaag	aaaatgttgc	ctttttctag	gaactgtcag	1680
aaatccctcat	gcctttcaag	acttctgtga	atgacttgaa	ttttttattc	cctgcctagg	1740
gtctgtgaac	gaggcctgtc	tcttccctgg	ggtttctttc	catggccttt	atttctcctc	1800
ttccagtggg	agttttgcag	gctcttctct	gtggaaactt	cacgagcggt	ggctgggcct	1860
cggcttcgct	ggagtgtact	ccagggtgaa	ggcagagtgg	gatttgagac	ccagggttagg	1920
cacgaccacg	gctgagaagg	gacgtttcca	tcattcacag	tgccctcccc	acagcactac	1980
ctcaccctga	ccccaccct	cactcctacc	ccaccccgcg	atcgtcaggg	gtgccacggt	2040
gggccggagg	gtgccggctc	tggctgtccc	tgtgccggtc	cctcacaac	ctctccccct	2100
ttgaaactca	agcacagctg	cgaggagggc	agcaggagg	gacccctctc	tcattggttgt	2160
ctctttcccc	cgctatgtca	taggtagtgg	aggaagcgaa	ggaagtgaac	gctgaatgtg	2220
acgcatttct	gaagagctca	gctgtcaccg	ggcatagcct	ggaagcccca	agtctgttct	2280
gactttgcct	ggctgtctcc	ttgacccgcc	tcctagatca	ttgtccttga	tgtccaggct	2340
gggtcattta	aaatagagat	gcaatcagga	aggttggggg	acttgggact	gtggctgaat	2400
tgagaccttg	ctgatgtatt	catgtcagca	cctgagtcac	agcccagggtg	cccgggaagca	2460
gcctcttcgc	ataaggcagt	gattttgcga	attactttaa	agctcacctt	ttttcttccc	2520
ctctctgttc	gctgctgtca	gcataatgat	tgtgttcctt	ccctatggga	tccatctgtt	2580
ttgtaaacaa	taaagcgtct	gagggagtgt				2610

<210> 5003

<211> 1415

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1161)...(709)

<223> similar to gi746495 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5003

tttttttttt	ttcacactgt	cacaatttat	tgaaatttta	taaaaactca	ggccaagtgg	60
aagaataagg	tacaactcaa	gagtacaaag	acaactccgt	ttccgttcag	tacttttctc	120
ctcagcactg	gtggtaagaa	agccccctgc	tctctagtag	ccaggcagca	tggacttaca	180

gtcttaaaat	gaggctttat	gtatttcagg	ctggaggcag	gttgccctttt	ctcctgagga	240
atctcaggca	gggtaaaagt	tacttaccac	tcagtacctc	tgtgccagaa	gaaaagctca	300
atcttattcaa	tccttagaaa	agttactatc	gtcccttggt	cagacactaa	ggtgtcttga	360
taaggtccag	agacaaccac	atagtcctta	ttctaattcg	tagtgaaaag	gctgcaggca	420
tatggtgctc	ctacgatggg	cctgaccctt	tcctaagcac	atctcatttc	cacatccttt	480
gccttctctt	tcccccaaca	tttccagcca	gcatagaacc	caatttctgg	gaaattgaga	540
ggagaaacag	tattatgaac	acagactcct	ttcaaattgg	aacaggagcc	aaaccaaata	600
aataagagaa	ttgtgtaggg	aagtggggta	gaagggaggt	cagggagcaa	tcccttgctt	660
caagtctggt	gcacctcatg	gaacatcagt	tcacggggga	tggctgtttc	tggaccaaac	720
ttggtggctg	cccgcgctc	aaaggcagca	acattctggt	tgacaacctc	atcaaaaaac	780
atggtggcca	gctgggagtg	cagcagagaa	cgaaattcaa	aggaaatcga	aaagtccaca	840
gtgcagggtc	gaggataggc	aggaatacca	gggctgaatc	gccaaatagt	ctctaagtgg	900
ttgaagagct	tgccatcagt	acaaacagcc	ttgaccatgt	gaggtttgac	catggaaact	960
gcagaggtgt	aacgttccat	gacaggtgga	aagccaacct	ccagctgggc	tttcaaata	1020
cccttacggc	tggataccac	cagagacttc	ttaccccagg	gcacaaactc	acgatactcc	1080
tggacgttgg	acaccacctc	atacatctcc	tgcattgagt	accccatgat	tctacgtctc	1140
gagtaagcct	ttcgcttggt	ggtgaaggga	gcagcaaata	ccatgaagga	acggctcgaa	1200
ggtaagccag	cctcagccgc	caagatctgg	gcagcccag	gcaagaggag	gctgcaggag	1260
gtcagaaacc	ccgagaactt	cccttctcgt	acaacttgca	aaagcattat	ccaaagctct	1320
acgttagctc	ccagggcatg	attgctgcca	gtccccgcgc	cgctgcac	ccagtatagc	1380
accctccac	cgcggaacc	cggggttcgc	agcga			1415

<210> 5004

<211> 988

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (769)...(231)

<223> similar to gil001126 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5004

tttttttttt	tttatttggg	ttttttttct	cttaaaaaga	tttattatca	aaaagtttgc	60
tccctttaaa	tactgagcca	attcatcaat	gcagctccat	tctttttagg	attattaggg	120
cccaaataat	ttcagactaa	aacaagaaat	aaaaaactgg	actataggtt	cagtaacata	180
ttcacagaca	tgtcagtgtg	cactcaggaa	cactggtttc	atctcttgat	tggaatgctt	240
atcaccataa	aatcttctgc	tagagtcact	tcttgagat	ctaacactga	ttcagcttgc	300
tttttttagt	ctgcaatgcc	atctgtttct	ccttctctgg	ccaaggcaac	tggtttgtac	360
ctctgactga	agtgaagtcag	aaccagcctc	tttgacggc	acaactttgc	aaatgttgct	420
gccatctgtg	gtgtgctgtg	gccatgctcc	tttgctttgt	ccatctgggc	atcatccagg	480
gttgcttcgt	ggatcaacag	gtctgcttca	aagcacagtt	ttactcctcc	atcaccacaca	540
accccagagc	agtcacccaa	tatgcagatt	tttcttccaa	caataggctt	ttttaagaca	600
tcttggggag	aaattgtaac	cccattttcc	agaacaacag	aaattccatt	tttcagcttc	660
ccataggcag	gacctggtgg	aacaccaagg	tctttaagtt	tctgtgcatt	gagtttacct	720
gggcgtttct	tttccacgac	tgaaaaccca	aatgagggaa	ttctgcttta	agttggcttt	780
tcataagctg	tgtctgtgtt	cctccccac	agtcaaagag	ccagcactcg	ccttcacacc	840
gaaggaccac	agcagaggca	ccccgggttg	gagatgggta	tgtgcaccc	gtccccagga	900
atgtcacatc	catagacatc	ttccaccct	ctccccgagg	cccgcgccag	gagccgaggg	960

<210> 5005  
 <211> 782  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (13)...(423)  
 <223> similar to gi5706448 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5005  
 cccacgcgctc cggaccttgg tgatttaagg cggcaggtta aactcttaga agagaagaat 60  
 accatgtata tgcagaatac tgtcagtcta gaggaagagt taagaaaggc caacgcagcg 120  
 cgaagtcaac ttgaaaccta caagagacag gtagtagaac tacaaaacag attatccgaa 180  
 gaatcaaaga aagcagataa actagatttt gaataataagc ggctaaaaga aaaagttgac 240  
 agtcttcaaa aagaaaagga caggctgaga acagaaaggg attctctgaa ggaaaccatt 300  
 gaagagcttc gttgtgtaca agtcaagaa gggcagctca caacacaagg gttaatgcct 360  
 cttggaagtc aggagtcttc agacagtcta gctgcagaga ttgttacacc tgaaatcagg 420  
 taaggagatt gtggtgttca cacttacact gcacagtatt cttggagaaa acgtacttct 480  
 ctacaatatg aagaagataa tttccttatt ctttctcacc gacactttca acatgaactc 540  
 agtgttaaat ttttatgttt tcaacatggt aaaagctttc ttccactggc ctacggaaaa 600  
 ttgatttgct cacttcaata agacaatctt tcacacatat aaagccaatt gttatgtcca 660  
 aagcttgagt atcctcagca gacattaagc aatgaatata tttggcctgt agacaatagt 720  
 tatgcttagc tataagcatg caaaattatt agttattaag atttatctgc taaccagctg 780  
 gg 782

<210> 5006  
 <211> 574  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(215)  
 <223> similar to gi435774 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5006  
 caagaaagcg gcttcagctg taaaggacct ggccagaatg tggctgtgac cagggcacac 60  
 cctgactccc aaggaggcg gcggcggcct gagcgggggg cccgaggagg ccaggtgttt 120

tacaacagcg	agtatgggga	gctgtcggag	ccaagcgagg	aggaccactg	ctccccgtct	180
gcccgcgtga	ctttcttcac	agacaacagc	tactaagcag	catcggacaa	gacccccagc	240
acttgggggt	tcaggccccg	cagggcgggc	agagggctgg	aggcccaggc	tgggaactca	300
tctggttgaa	ctctggtggc	acaggagtgt	cctcttccct	ctctgcagac	ttcccagcta	360
ggaagagcag	gactccaggc	ccaaggctcc	cggattccg	tcaccacgac	tggccagggc	420
cacgctccag	ctgccccggc	ccctccccct	gagattcaga	tagaatgtga	cctctaggca	480
tgatttgcta	ggggtgggag	cagcatcttt	ctgtcaccat	tgtgtgaaca	gcagggtcag	540
atgttcctag	tgatatcacg	ggaagccttg	tttc			574

<210> 5007  
 <211> 1179  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1180)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (3)...(387)  
 <223> similar to gi4586838 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5007						
acgtaattgt	gcattgcgcg	cccatccgca	cgcgggctag	caagtactac	atccccgagg	60
ccgtgtacgg	cctgcccgc	tatccggcct	acgcgggagg	cgggtggcttt	gtgctttccg	120
gggccacgct	gcaccgcctg	gctggcgcc	gtgcgcaggt	cgagctcttc	cccatcgacg	180
acgtctttct	gggcatgtgt	ctgcagcgcc	tgcggctcac	gcccagagcct	cacctgcct	240
tccgcacctt	tggcatcccc	cagccttcag	cgcgcgcgca	tttgagcacc	ttcgaccctt	300
gcttttacgg	tgagctgggt	gtagtgcacg	ggctctcggc	cgctgacatc	tggcttatgt	360
ggcgccctgt	gcacggggcg	catgggcccag	cctgtgcgca	tccacagcct	gtcgctgcag	420
gccccttcca	atgggactcc	tagctcccca	ctacagcccc	aaagctcctaa	ctcagaccca	480
gaatggagcc	ggtttcccag	attattgccg	tgtatgtggt	tcttccctga	tcaccagggtg	540
cctgtctcca	caggatccca	ggggatgggg	gttaagcttg	gctcctggcg	gtccaccctg	600
ctggaaccag	ttgaaaccg	tgtaatggtg	accctttgag	cgagccaagg	ctgggtggta	660
gatgaccatc	tcttgctcaa	caggtcccag	agcagtggat	atgtctggtc	ctcctagtag	720
cacagagggtg	tgttctgggtg	tgggtggcagg	gacttaggga	atcctaccac	tctgctggat	780
ttggaacccc	ctaggctgac	gcggacgtat	gcagaggctc	tcaaggccag	gccccacagg	840
gaggtggagg	ggctccggcc	gccacagcct	gaattcatga	acctggcagg	cactttgcca	900
tagctcatct	gaaaacagat	attatgcttc	ccacaacctc	tcctgggccc	agggtgtggt	960
gagcaccagg	gatggagcca	cacataaggg	acaaatgagt	gcacggctct	acctagtctt	1020
ttcctcacct	tcctgaactt	cagacaacna	ttggccantc	tccactgga	aggctgtatc	1080
ccctcaagan	ggagccaagg	aatgtttttc	ccctggagat	gccacactaa	ttaattttcc	1140
ccatattggtt	taancaaccc	cttgggtgaa	aaaanccaa			1179

<210> 5008  
 <211> 2872  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2873)  
 <223> n. = 'a,t,c or g'

<220>  
 <221> misc\_feature  
 <222> (38)...(1809)  
 <223> similar to gi3881530 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5008

tttcgtgcct	cgggtgacac	ccagatctct	ctctctccag	ggccccaag	gtgagagcgt	60
gggctccatc	acacagcccc	tgcccagcag	ctacctgac	ttcagggccg	cctccgagtc	120
agatggctgc	tgctggctgg	acgccctgga	gctggccctg	cgctgctcta	gcctactgag	180
actgggcacc	tgcaagccgg	gccgagacgg	ggagccaggg	acctcgccag	acgcatcacc	240
ctcatcgctc	tgtgggctgc	cagcctcagc	caccgtccac	ccagaccaag	acctgttccc	300
actgaacggg	tcttccctgg	agaacgatgc	attctcagac	aagtcggaga	gagagaaccc	360
tgaggagtca	gataccgaga	cccaggacca	tagccggaag	acggagagtg	gcagcgacca	420
gtcagagacc	cctggggccc	cggtgcggag	agggaccacc	tatgtggagc	aggtccagga	480
ggagctgggg	gagctgggcg	aggcgtccca	ggtggagaca	gtgtcagagg	agaacaagag	540
tctgatgtgg	accctgctga	agcagctacg	gccaggcatg	gacctgtccc	gcgtggtgct	600
acccacgttc	gtactggagc	cgcgctcctt	cctgaacaag	ctctccgact	actactacca	660
cgcagacctg	ctctccaggg	ctgcggtgga	ggaggatgcc	tacagccgca	tgaagctggt	720
gctgcggtgg	tacctgtctg	gcttctacaa	gaagcccaag	ggaatcaaga	agccgtacaa	780
ccccatcctg	ggggagacct	tccgctgctg	ctggttccac	ccgcagactg	acagccgcac	840
attctacata	gcagagcagg	tgtcccacca	cccgcccgctg	tctgccttcc	acgtcagcaa	900
ccggaaggac	ggcttctgca	tcagtggcag	catcacagcc	aagtccaggt	tttatgggaa	960
ctcgctgtcg	gcgctgctgg	acggcaaagc	cacgctcacc	ttcctgaacc	gagccgagga	1020
ttacaccctt	accatgccct	acgcccactg	caaaggaatc	ctgtatggca	cgatgaccct	1080
ggagctgggt	gggaagggtca	ccatcgagtg	tgcaagaac	aacttccagg	cccagctgga	1140
attcaaactc	aagcccttct	tgcggggtag	caccagcatc	aaccagatct	cgggaaagat	1200
cacgtcggga	gaggaagtcc	tggcgagcct	cagtggccac	tgggacaggg	acgtgtttat	1260
caaggaggaa	gggagcggaa	gcagtgcgct	tttctggacc	ccgagcgggg	aggtccgcag	1320
acagaggctg	aggcagcaca	cggtgccgct	ggaggagcag	acggagctgg	agtccgagag	1380
gctctggcag	cacgtcacca	gggcatcag	caaggcgac	cagcacaggg	ccacacagga	1440
gaagtttgca	ctggaggagg	cacagcggca	gcgggcccgt	gagcggcagg	agagcctcat	1500
gccctggaag	ccgcagctgt	tccacctgga	ccccatcacc	caggagtggc	actaccgata	1560
cgaggaccac	agccccctggg	acccccctgaa	ggacatcgcc	cagtttgagc	aagacgggat	1620
cctgcggacc	ttgcagcagg	aggccgtggc	gcgccagacc	accttcctgg	gcagcccagg	1680
gcccaggcac	gagaggtctg	gcccagacca	gcggcttcgc	aaggccagcg	accagccctc	1740
cggccacagc	caggccacgg	agagcagcgg	atccacgcct	gagtcctgcc	cagagctctc	1800
agacgaggag	caggatggtg	actttgtccc	tggcgggtgag	agcccatgcc	ctcgggtgag	1860
gaaggaggcg	cggcggctgc	aggccctgca	cgaggccatc	ctctccatcc	gagaggccca	1920
gcaggagctg	cacaggcacc	tctcggccat	gctgagctcc	acggcacggg	cagcacaggc	1980
accgacccca	ggcctcctgc	agagcccccg	atcctgggttc	ctgctctgcg	tgttctctggc	2040
gtgtcagctg	ttcattaacc	acatcctcaa	ataggagccc	tgggggnaga	gctcctggcc	2100
tgtggggggc	ctggacagtc	acaccccagc	agcagtgagt	gggcaggttt	ggaggagcag	2160

ccagggagcc	ccgagtggcc	caggagtc	cccacacaca	gatgcatagg	cctgccttcc	2220
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tgaggagcccc	acagaggcag	gtcctggaac	caccccaccc	ccacacctgg	acgctcgctc	2400
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<210> 5009

<211> 1731

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (62)...(419)

<223> similar to gi3986746 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5009

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tgacatgctc	aagagccagc	agcggaaagt	ccggcaaatg	atagagcagc	tccagaattc	180
aaaagctgtg	atccagtc	aggacgccac	catccaggag	ctcaaggaga	aaatcgctta	240
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gagcacctat	tcaaggcact	gcagcccttt	ggaagacatt	gtcctgcaag	caggagccag	660
ggcaatatct	atattcctac	agtgactatt	ttttttttgt	agagagcctc	ccttctgttg	720
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cagacagtca	tgtgtgactt	ctctctgctg	tgaaaactcc	cagagtctct	ttagggattt	1140
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gcaggtcatc	atggttttct	ttttttattg	gttttttttt	tttctgaaac	aaagtctcat	1680
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<210> 5010  
 <211> 1128  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1091)...(779)  
 <223> similar to gi726373 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5010						
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tgtgtggcac	ctectcctgc	gcccccttgc	tcctactctg	gccacataag	atgtgtctgc	180
ttcccctttg	cctttccact	atgattgtaa	gtttcctgag	gcctcccag	aagcagaagc	240
tactatgctt	cctgtatagc	ctgcagaact	gtgagccaat	taaacctctt	ttctttataa	300
attaaattac	ccagtctcag	gtatttcttt	acagcaattc	gagaatggat	taatacaatt	360
gccaaatttc	cttttctttt	tttaaaaaat	aaaagccaaa	ataacacttt	taagatccca	420
ggtttttagac	aaggcagctg	tagtctctcc	atcatactca	ctgtccattt	gcttcttctt	480
gggacagaca	ctgtggccca	gtgaagctga	ggggaccctg	ggattcaaag	ctggtggaat	540
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ttcacttgtc	aacagctccc	ttccctcaga	ggctattttg	aggcaggcat	tcggtgtttt	660
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accaccagct	ccgcaaggcc	ttcgaatgaat	tcctcacgcg	gtcaatcc		1128

<210> 5011  
 <211> 2377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2378)...(808)  
 <223> similar to gi4240149 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5011

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taccattacc	taaaaatgat	tttttaaaaa	atgcttatca	ttacctaaaa	gaaaaatgta	180
gcaaaattca	actttggagg	aaaatgaaaa	ctgtacatat	ccttgagaac	cacggaaagc	240
taagagatat	agaaaattgt	acattcccac	aaagttattt	caacaaagag	gcattatctg	300
cattccacca	aggtcagtcg	agttgaggag	aaagagaagc	aaatgccaa	aaattggctg	360
catatttttt	ttttaatctg	ttttgcctta	aatcacaaag	agcaatggga	agaacaagct	420
ccctttctcc	ttttctcaga	cacctttggg	ctaaagttgt	tctttttcta	gttcttccct	480
cccctgtaat	ttttaattat	cagaaataaa	taccagtgc	tttcaggtgg	tctctgtgtg	540
tagagtgc	aactgaagtt	attagtggct	tgggagtttg	cacatataac	tggaggtaaa	600
cagcagatta	ctacacctaa	tctcacccctg	agcattttctc	ctctgtcaag	tctaaattct	660
gccatcttct	tttgcaaaaa	caagcagaca	tccccaccaa	aggccaaaat	ataatgataa	720
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cggcttcctc	ctcgcaccag	agccggcctt	ccagcagccc	agccagggcg	aagaggctgc	2280
ccagcgcgag	ccagcgcgcg	gtgcccatgg	cggcctctgc	gagcgcggcg	gggcccagcg	2340
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<210> 5012

<211> 5122

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (2)...(3744)  
 <223> similar to gil89036 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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ccgcattggc cagagcaaag tcttcttccg tgccggtgtg ctggcccacc tggaggagga    180
gcgagacctg aagatcaccg acgtcatcat agggttccag gcctgctgca ggggctacct    240
ggccaggaag gcatttgcca agcggcagca gcagcttacc gccatgaagg tcctccagcg    300
gaactgcgct gcctacctga agctgcggaa ctggcagtggt tggcggctct tcaccaaggt    360
caagccgctg ctgcagggtg gccggcagga ggaggagatg atggccaagg aggaggagct    420
ggtgaaggtc agagagaagc agctggctgc ggagaacagg ctcatggaga tggagacgct    480
gcagtctcag ctcatggcag agaaattgca gctgcaggag cagctccagg cagaaaccga    540
gctgtgtgcc gaggctgagg agctccgggc ccgcctgacc gccagaagc aggaattaga    600
agagatctgc catgacctag aggccagggt ggaggaggag gaggagcgct accagcacct    660
gcaggcggag aagaagaaga tgcagcagaa catccaggag cttgaggagc agctggagga    720
ggaggagagc gcccggcaga agctgcagct ggagaagggt accaccgagg cgaagctgaa    780
aaagctggag gaggagcaga tcatcctgga ggaccagaac tgcaagctgg ccaaggaaaa    840
gaaactgctg gaagacagaa tagctgagtt caccaccaac ctacagaag aggaggagaa    900
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gcgcctccgc agggaggaga agcagcgaca ggagctggag aagaccgcc ggaagctgga   1020
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caagatgcag ctggccaaga aagaggagga gctccaggcc gccctggcca gagtgaaga   1140
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acgggacctt ggggaagagc tagaggcgct gaaaacagag ttggaggaca cgctggattc   1320
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acaataaaga	gaaccatgtg	ct				5122

<210> 5013

<211> 866

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (867)...(574)

<223> similar to gi4455118 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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cacgctaaca aaataaacta aatatgaaaa gttgcattga aagggcatca cattattctt 480
aataggatcg tgtagaaaca ttccaatggc agtgttctca aaataaaaaca aaattacatt 540
agaagacctc cagcctggcc acttttgagg ccttacctgt aactctggct ggtgggtgtc 600
tttactcttg tactacatgg ctcaactaca tcagacatca ttttgtata ccctgagaaa 660
tctgacactg aagtccttac tctatgggtc acttctccat tagagttagt gataaagggtc 720
attggcaccg tgctgcccga cttaaactga gaaccaaacy cttgtgcaaa gttctcaatc 780
tgatacgttg ttctaggctc tatgtctttc tgaggatcta tctggctagc taactcctga 840
gatggaatct gaaagcctgt tgaaga 866

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<210> 5014

<211> 5024

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (125)...(790)

<223> similar to gi4980899 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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<400> 5014
agtgtggtgg aattcgcaag tattatgcta accagtatTT tcttaatttt agttttctca 60
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aattttgaag aaaaagtccT tcacttttcc aagagaccat aagtcagttc cagctgatac 180
agagatgtgg cctgtctatg tggaattgac caatgaaaag atatatggct gcgatttcat 240
tgtcagtgtc acaggagtta caccaaatgt agaacccttt ctccatggta acagttttga 300
tctaggagaa gatggtggcc tgaaagtgga tgatcatatg cacacatccc ttcctgatat 360
ctatgctgcc ggtgacatct gtactacatc ctggcagctg agcccagtct ggcagcagat 420
gaggctgtgg acccaggcta gacagatggg atggtatgca gcaaagtgca tggctgcagc 480
gagttcagga gactctattg acatggattt cagctttgaa ctgtttgtct atgtgacaaa 540
attttttaac tataaggttg tactgtctggg aaaatacaat gcacagggct taggttcaga 600
tcatgaatta atgctgagat gtaccaaagg acgagaatac atcaaagtcg tcatgcaaaa 660
tggaacgaat atgggagctg tcttaattgg tgaaccgat ttagaagaaa catttgaaaa 720
cctaacttta aaccaaataa atctttcatc atatggagaa gatctgctag atccaaatat 780
tgatatagaa gattattttg actaaaaatg gaatttcttc aggaatcata taaagtcca 840
aatgacacca gaaaaatcac aagtcaataa aatgaatgac tgtattgagt taatgatgac 900
cacactgaaa attacagaag tgataatgat atttgtggaa aaatataaaa acataaattc 960
taagtttgaa atcagttcaa agtttattta tagatatatc tttccaacac aacactgacc 1020
gcttagataa aaatcttaag ttattttatt ctgtgtttta aacataaata tgtttacttg 1080
tgatttagct ttggagcaaa tttaggtaag ttatctactt agccaaatgt actctagtag 1140
actagaacca ttctttgtga aatgtcaaaa tatggctatg gtttcaggaa ctttaaaatc 1200
ggttgatatt tactttaaat agagatgtag caatatctcg tttgctaata tttatattga 1260

```

tgacttactc	cttttttgtt	gaattgtact	tctggtttta	taacctgaaa	tcattttacaa	1320
gcttgcccaa	ctctagccca	cgggtcta	gcagcccaga	acagctttga	atgcagccca	1380
acacaaatct	gtaaactttc	ttaaaacatg	agatttttct	tgcaattttt	ttttttttaa	1440
gctcatcagc	tatcgtcagt	gttagcatat	tttatgtgcg	gcccagaca	attcttcttc	1500
caatgtggct	caggaagcc	aaaagattgg	acatccctga	tctacatatt	taacttaag	1560
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gaaaaaatat	agctaagtat	ataaaggcat	aaaaaactta	agacaattac	atgaacttat	1680
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taactcggag	tttttattta	ccatttcac	atgaaccat	ttaacatgct	ccttagaact	4020
agaagcattt	aacatggttg	ctgaaattcc	taattgtttt	aaaaccatta	attggtcttc	4080
cataagagag	atcaatgggc	aaatgacgag	tgtaaaacca	tctgaacata	atgctggtaa	4140
ctggtaacat	aagctctttc	cacctctgt	aggcataaca	agaaatacct	cctttccagc	4200
cattgtttacg	ttaatagttt	caagctgaag	tggctctgaac	ttttccagtt	taaagacatt	4260
ttgcagaata	tctttaactt	taccagacca	tggaaaatct	tctttattcc	aagcggcagg	4320
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aatggcagct	gctaataaac	aggcttttgt	ggccaatcct	cctgcatgga	aaagaatggg	4620
gagatcagaa	gaccggtcag	caggcgaacg	tgcccctaaa	ggcccagatt	ctcagagcag	4680

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catcagaccg	gcctcgctg	cagcaggaaa	gggaaggatg	aaagaaaaag	cgcacaccct	4800
tgacccttca	aagctgtaac	agtagttatc	ccagagcctg	tccccaccga	gaagcccagt	4860
ctaactctcc	ggtgtttgac	tgtccgggtg	ccgactgtcc	tgtgtccgac	tctccgatct	4920
ccgactctcg	gatctccgac	accaaagcac	ccaggcctcg	agcagatctt	ttcgctactc	4980
ctacctatct	aaaattttat	actaataatc	ttataaaaaa	aaaa		5024

<210> 5015  
 <211> 918  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(919)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (128)...(458)  
 <223> similar to gil857435 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5015	
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gcgggggtggc	tgggggtgtaa ctgggggaga ggaggagagc ctcactgtcc ctgtcgctga 120
cacctggcag	gcggggagct ttaaggtggc caccaggag aggaaccccc agagagccca 180
gatgaggctg	cggaggcaga agaaggggtg ggtccccttc ctgggggatt ttctgactga 240
gttacagagg	ctggattcgg ccatcccga cgacctggat ggcaacacca acaagaggag 300
caaggaggtc	cgagtctctg aggaaatgca gctgctccaa gtggctgcca tgaattacag 360
gcttcggcct	cttgagaaat ttgtcaccta tttcacaaga atggagcagc tcagtgacaa 420
agagagctac	aagctgtcct gccagctgga gcccgaaaac ccgtaggctg gcaacatcct 480
gcagtggctg	ggaacccacc gggatgctgg ccagaacacc ggctctgcac catccctcac 540
ccagaccgta	gacaccaggg aaccacatct aggaggctgg cagctcagct gcattctgcc 600
ctggatcctc	atcaccaact gtcctgctg gccaggatca ggccatggga cttttgtgag 660
tcaggcgga	gaccatttta tgtttatttt ctttagtgta taagtaaggg ttttttctta 720
actttcgta	aaataaaaatt ttaaaaaact attcaaaatg ttctgtagtt gttggaatga 780
gaaaagttaac	tccagtgcgg taaccatata ccagctctta ggattcatag cctagcatgt 840
caaattgagg	ctatggctga ccaagttatg gaatagctgt cncgtcttac ggtctctatc 900
anggtctcat	tggagtgc 918

<210> 5016  
 <211> 1625  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (30)...(215)  
 <223> similar to gi2662057 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5016  
 ggattatccg ggtcgaccca cgcgctccgcc caaaagaggt taaccttgat tttcacacaa 60  
 atgaagtcac tacaaaacagc atcactcaac ctaccctcca cagttttgat gctgcacaaa 120  
 gcagagtgtg tcagctcatg gaacaagaca gttatacacg ttttctgaaa tctgacatct 180  
 atttagactt gatggaagga agacctcaga gaccaacaaa tcttaggaga cgatcacgct 240  
 catttacctg caatgaattc caagatgtac aatcagatgt tgccatttgg ttataaagaa 300  
 aattgatttt gctcattttt atgacaaaact tatacatctg cttctaacat atcgcatggt 360  
 tatgttaaga tttgggtccca tccttttaaac tgaaatatgt catgtgaaat tattttaaaa 420  
 atgtaaaaaac aaaactttct gctaacaaaa tacatacagt atctgccagt atattctgta 480  
 aaaccttcta tttgatgtca ttccatttat aatcagaaaa aaaacttatt tcttaatcaa 540  
 aaggcagtac aaaaaaagta ataatgtttt ataagattgt agagttaagt aaaagttaag 600  
 cttttgcaaa gttgtcaaaa gttcaaacia aagtctagtt gggatttttt accaaagcag 660  
 cataatatgt gttatataaa cataataata ctcagatata caaatgttca gatagcattt 720  
 ttcataatga atgttctctt ttttttggtg atagtgtaga agtgatctgg ttcttacaat 780  
 gggagatgaa gaacatttat tattgggtta ctactaacc tgtcccaaga atagtaatat 840  
 cacctctagt tataagccag caacaggaac ttttgtgaag acacattcat ctctacagaa 900  
 cttcagatta aatataatct agattaatga ctgagaataa gatccacatt tgaactcatt 960  
 cctaagttaa catggacgta cccagttata caaagtactt ctgttggtca cagaaacatg 1020  
 accagatttt gcatactctc aggtagggaa ctaagtagac taccttatca ccggctaaga 1080  
 aaacttgcta ctaaaactatt aggccatcaa tggcttgaat aaaaaccaga gaaggttttt 1140  
 cccaggacgt ctcattgttg gccctttaga attggggtag aaatcagaaa tgagatgagg 1200  
 ggaagaagca aggagtctaa ggccctagcg atttgggcat ctgccacatt gggttcattt 1260  
 cagaaagtgt tatctcattg attatattct tggttaagcaa atctccttaa gtaattatta 1320  
 ttcaaataag attatactca tacatctata tgtcactgtt ttaaagagat atttaatttt 1380  
 taatgtgtgt tacatggtct gtaaataatt gtatttaaaa atgccatgca ttaggctttg 1440  
 gaaatttaat gttagttgaa atgtaaaatg ggaaaacttt agatcatttg tagtaataaa 1500  
 tatttttaac ttcattcata cagttaagtt tatctgacaa taaaagctct gactgaatgg 1560  
 tgattatcct tcctattatg taataaggaa taaacatttt cttcttttag agtggaaaaa 1620  
 aaaaaa 1625

<210> 5017  
 <211> 758  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (28)...(315)  
 <223> similar to gi507319 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



<400> 5017

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actgtgataa	cggagcacta	tggacccacc	aacatccgca	tccgatgcc	tttaggtctg	120
aaaactccaa	atggctgtga	gctgggtggg	gggggagagc	cccagtgtg	ggcagaagg	180
cgtgccttc	tctttgatga	ctctttcctg	catgctgctg	tccatgaagg	ttcagcagag	240
gatggccac	gggtgggttt	catgggtggg	ttgtggcatc	caaacgtcgc	agcggccgaa	300
cggcaggctc	ttgatttcat	ctttgctccg	ggacgatgag	agtatttccc	atgctggagt	360
cggcgagaag	ggccgaggcg	gggcctgggc	agactgtggt	ccggtccagt	ccctaccggt	420
gttgtttcca	tgctcagaaa	cctgcctcag	cggaaagctc	ttatttggga	ttttatatca	480
tgtcgggtcc	ctctttccct	tggttattgt	aaatggaaac	ttttcggctt	gtatttccct	540
agattttttt	tttttttcc	tccaatcatt	tgcttcagag	actcctttct	ggcctaacag	600
cgcattcctt	tgattgggtc	ttgagtgaac	agagacttag	tgcccttgta	agtctgtctt	660
ctgttgctac	ttgttttttt	cagtgtctctg	aaatagagta	acctaaatgg	ttatttgtct	720
gaatataata	atgtaaaact	tcttgtgggt	catcttaa			758

<210> 5018

<211> 2409

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2410)...(265)

<223> similar to gi5739208 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5018

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ataagtattt	tacattattt	cttctgttat	atttttacgc	tttgtgccag	aatttacttc	120
ttgcaactat	tcttgcttta	tctggaacag	tttactccgt	tattgaatat	ctattagtgt	180
ttaatataga	agagcttaat	aaaccgctaa	tccgaaaata	atggatttcc	cttgcttttc	240
agaccttttt	gctgaatatg	cttattttatg	tccaatgtgg	aaatctgac	ctgttctctt	300
ccactctgcc	agcagttcct	tttgtactgc	ttctggtagt	tcatagaaaa	cttgaggatc	360
aatgtcagaa	gggaaagtaa	ttttctcatc	aacagaatct	ggctctctat	tttctgtaag	420
tccttcatga	gagctctgtg	ctactgtttg	cttatggcta	tctgtagtgt	ggtttctgga	480
gaaaagtgc	tcactctgca	agtttgaaaa	tgaatgaaaa	gcagacacag	cagggtttga	540
atthgtaaaag	tggaatcctt	gaggttcttt	aggctcttga	cttattcggt	catcttttaa	600
tctattatct	aaataatatg	aataatcctt	ttggctagac	atgtaagaag	aactactgct	660
attaaagcct	gatgttcccg	gttcacaagg	agatacagag	gatacctggt	tgctactgga	720
taaatgatct	ctaggattta	tgggaatata	ttgcatttgt	tttttagaaa	agaaagataa	780
tactcctcta	gaggcatgta	atggacaact	cacacttcc	ttcccttgaa	atttttccct	840
agattttcca	gaaaggattt	cttcttgaat	atctactgga	agctgcttga	agacttcttg	900
gtcaacacct	tcaggaagtg	aacagagtgg	gaattcatta	atgtcttttt	ctttagaaaa	960
atthgtggta	tctagtggag	actccctagt	tcttgtactt	tcaattcttc	cacttggtag	1020
gaaatcccgg	tttgtttctt	tgtctttggg	aaaatcttcc	atatgagtgt	ctttcatttt	1080
aaaactgtgc	ttgccagagc	gtgaagtagt	tgataatgat	ggcattaaat	aataatcaat	1140
aagccctttc	ttagcagtat	ttagtgcttt	aaggttgcag	aagcacacac	ttagaagggt	1200
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cattggggtc	atcacatcat	aatttccctg	ccctaatttc	tgaattacat	gtgaagggaat	1320
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tttattagaa	gccactccag	cacagccagt	gagccccaac	tgattataca	tggcttcccg	1860
catctctgct	gcaatctgag	atccaacaag	tagtctgatg	tgcaagacgt	caagcagggtt	1920
tatagactga	ttattgtata	catgaccgga	cacagtcacc	gcagaaagtt	catcactttg	1980
cagctgctgt	agtctcctct	caaccatgtc	tgtagatcc	acaaaatttt	catcaaattc	2040
aagtctctca	acaactggac	taaattcttc	cagtaattct	gtaaccttat	aagacatttc	2100
tctgtagcgg	gtcaggtctt	ctccattaac	taataccaac	tgtggacact	tttcttttgc	2160
atctctgaca	ttcataagtt	tcttaactcc	aagtttctta	gcttcatagt	tgcaggtaac	2220
caccaaatat	ttctgttgaa	cccctaaagg	tttgtctttt	agctctggat	ttgagatcat	2280
ttctacttgt	gcataaaagc	aatccagatc	cacatgtact	atgactctgg	atgaagcatt	2340
tggtgtgggc	aacacttgat	catgaactcc	ctgcgagctg	gctgcgcgcc	ccacgtccgc	2400
cagttccat						2409

<210> 5019

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(440)

<223> similar to gil403532 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5019

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tctggtcatg	cttcccactc	cagtgtctaa	actgctgaat	gtgctggatg	atgattatct	180
tgagaatgaa	gaggaatatg	aagatgttgt	agaagatgta	aaagaggagt	gtcaaaaata	240
tggaccagtg	gtatctctac	ttgttccaaa	ggaaaatcct	ggcagaggac	aagtctttgt	300
tgagtatgca	aatgctgggtg	attccaaagc	tgcgcagaaa	ttactgactg	gaaggatgtt	360
tgatgggaag	tttgtttgtg	ctacattcta	cccgtgagt	gcctacaaga	ggggatatct	420
gtatcaaacc	ttgctttaat	cagtaacct	aggactgttt	cctttttctc	ctcttcatt	480
tcttgg						486

<210> 5020

<211> 1590

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(1591)
<223> similar to gi5802879 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5020
atgggtagca acagtgggca ggctggccgc cacatctata aatccctagc tgatgatggc      60
ccctttgact ctgtggagcc gcctaaaaga cccaccagca gactcatcat gcacagcatg      120
gccatgttcg gaagagagtt ctgctacgcg gtggaggcag cgtatgtgac cccagtcctg      180
ctcagcgtag gtctgcccag cagcctgtac agcatttgtt gggttcctcag ccccatcctg      240
ggattcctgc tgcagcccgt ggctcgatcg gccagcgacc actgccggtc cagggtggggc      300
cgccggagac cctacatcct caccctggga gtcattgatc tcgtgggcat ggctctgtac      360
ctcaatgggg ctactgttgt agcagctttg attgctaacc caaggaggaa gctgggttgg      420
gccataagtg tcaccatgat aggtgtcggt ctctttgatt ttgctgccga cttcattgat      480
gggcccacat aagcctactt atttgatgtc tgctcccatc aggacaagga gaagggcctc      540
cactaccatg ccctcttcac aggttttgga ggtgccctgg gttacctttt ggggtgtata      600
gactggggcc atctggagct gggaagactg ttgggtacag aattccaggt catgtttctc      660
ttctctgcat tgggtgtcac tttgtgtttt actgttcacg tgtgcagtat ctctgaagcc      720
ccacttacag aggttgcaaa gggcattccc ccacagcaaa cccctcagga cccctccattg      780
tcatcagatg gaatgtacga gtatggttct atcgagaaag ttaaaaatgg ttacgtaaat      840
ccagagctgg caatgcaggg agcaaaaac aaaaatcatg ctgaacagac tcgcagggca      900
atgacattaa agtcactgct gagagcactg gtgaacatgc ctcctcacta ccgctacctt      960
tgcacagacc acctcattgg atggacggcc ttctgtcca acatgctgtt cttcacagat     1020
ttcatgggcc agattgtgta ccgcggggat ccctatagtg cacacaactc cacagagttt     1080
ctcatctacg aaagaggagt cgagggttga tggtggggct tctgcatcaa ctccgtgttt     1140
tcctcacttt attcttactt tcagaaagtt ttggtatcct acattggatt aaagggtctt     1200
tacttcacgg gatatttgct gtttgacctg gggacgggat ttattgggct cttcccgaaat     1260
gtctactcca ccctggtcct gtgcagcctg tttggtgtaa tgtccagcac cctgtacact     1320
gtgcccttta acctcattac tgagtaccac cgcgaggaag aaaaggagag gcagcaggcc     1380
ccaggagggg acccagacaa cagcgtgaga ggggaaggga tggactgcgc caccctcaca     1440
tgcatgggtc agctggctca gatcctggtc ggaggtggcc tgggctttct ggtcaacaca     1500
gccgggaccg ttgtcgtcgt ggtgatcaca gcgtctgcgg tggcactgat aggctgttgc     1560
tttgcgtcgc tctttgttag atatgtggat                                     1590

```

```

<210> 5021
<211> 1236
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1237)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (95)...(875)
<223> similar to gi1322971 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 5021

ctccggtagc	actcgggccc	gcggacagt	agggcgcgac	aacaagggag	gtgtcacagt	60
tttccattta	gatcaacaac	ttcaagttct	taccatggaa	aattccgaga	agactgaagt	120
ggttctcctt	gcttgtggtt	cattcaatcc	catcaccaac	atgcacctca	ggttgtttga	180
gctggccaag	gactacatga	atggaacagg	aaggtaacac	gttgtcaaag	gcatcatctc	240
tctgttgggt	gatgcctaca	agaagaaagg	actcattcct	gcctatcacc	gggtcatcat	300
ggcagaactt	gctaccaaga	attctaaatg	ggtggaagtt	gatacatggg	aaagtcttca	360
gaaggagtgg	aaagagactc	tgaaggtgct	aagacacccat	caagagaaat	tggaggctag	420
tgactgtgat	caccagcaga	actcacctac	tctagaaagg	cctggaagga	agaggaagt	480
gactgaaaca	caagattcta	gtcaaaagaa	atccctagag	ccaaaaacaa	aagctgtgcc	540
aaaggtcaag	ctgctgtgtg	gggcagattt	attggagtcc	tttgcgtgtc	ccaatttgtg	600
gaagagtga	gacatcaccc	aaatcgtggc	caactatggg	ctcatatgtg	ttactcgggc	660
tggaaatgat	gctcagaagt	ttatctatga	atcggatgtg	ctgtggaaac	accggagcaa	720
cattcacgtg	gtgaatgaat	ggatcgctaa	tgacatctca	tccacaaaaa	tccggagagc	780
cctcagaagg	ggccagagca	ttcgctactt	ggtaccagat	cttgtccaag	aatacattga	840
aaagcataat	ttgtacagct	ctgagagtga	agacaggaat	gctgggggtca	tcttggcccc	900
tttgacagaga	aacactgcag	aagctaagac	ataggaattc	tacagcatga	tatttcagac	960
ttccatttgg	gggatctgaa	acaatctggg	agttaataac	tggggaaaga	agttgtgatc	1020
tgttgccctaa	actaaagctt	aaaagttag	taaaaatcgt	ctgggcacag	tggctcacgc	1080
ctgtagtccc	agcactttgg	gaggctgagg	cgggtggatc	gcgggggtcag	gagatcgaga	1140
ccatcctggc	caatatgggtg	aagccccatc	tctactgaaa	atacanaaat	tggctgtgtg	1200
tggggcacgt	gcctgtgggtc	ccagctgctt	ggnngg			1236

<210> 5022

<211> 2902

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1887)

<223> similar to gi4240239 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5022

gatggcggcg	gcagcagtcg	acagcgcgat	ggaggtgggtg	ccggcgctgg	cggaggaggc	60
cgcgccggag	gtagcggggc	tcagctgcct	cgtcaacctg	ccgggtgagg	tgctggagta	120
catcctgtgc	tgcggctcgc	tgacggccgc	cgacatcggc	cgtgtctcca	gcacctgccg	180
gcggctgcgc	gagctgtgcc	agagcagcgg	gaaggtgtgg	aaggagcagt	tccgggtgag	240
gtggccttcc	cttatgaaac	actacagccc	caccgactac	gtcaattggg	tgggaagagta	300
taaagtccgg	caaaaagctg	ggttagaagc	gcggaagatt	gtagcctcgt	tctcaaagag	360
gttcttttca	gagcacgttc	cttgtaatgg	cttcagtgc	attgagaacc	ttgaaggacc	420
agagattttt	tttgaggatg	aactgggtgtg	tatcctaaat	atggaaggaa	gaaaagcttt	480
gacctggaaa	tactacgcaa	aaaaaattct	ttactacctg	cggcaacaga	agatcttaaa	540
taatcttaag	gcctttcttc	agcagccaga	tgactatgag	tcgtatcttg	aaggtgctgt	600
atatattgac	cagtactgca	atcctctctc	cgacatcagc	ctcaaagaca	tccaggccca	660

aattgacagc	atcgtggagc	ttgtttgcaa	aacccttcgg	ggcataaaca	gtcgccaccc	720
cagcttgccc	ttcaaggcag	gtgaatcadc	catgataatg	gaaatagaac	tccagagcca	780
ggtgctggat	gccatgaact	atgtccttta	cgaccaactg	aagttcaagg	ggaatcgaat	840
ggattactat	aatgccctca	acttatatat	gcatacaggtt	ttgattcgca	gaacaggaat	900
cccaatcagc	atgtctctgc	tctatttgac	aattgctcgg	cagttgggag	tcccactgga	960
gcctgtcaac	ttcccaagtc	acttcttatt	aaggtggtgc	caaggcgagc	aaggggagac	1020
cctggacatc	tttgactaca	tctacataga	tgcttttggg	aaaggcaagc	agctgacagt	1080
gaaagaatgc	gagtacttga	tcggccagca	cgtgactgca	gcactgtatg	gggtggtcaa	1140
tgtcaagaag	gtgttacaga	gaatggtggg	aaacctgtta	agcctgggga	agcgggaagg	1200
catcgaccag	tcataccagc	tcctgagaga	ctcgctggat	ctctatctgg	caatgtaccc	1260
ggaccaggtg	cagcttctcc	tcctccaagc	caggctttac	ttccacctgg	gaatctggcc	1320
agagaagtct	ttctgtcttg	ttttgaaggt	gcttgacatc	ctccagcaca	tccaaacctt	1380
agacccgggg	cagcacgggg	cggtgggcta	cctggtgcag	cacactctag	agcacattga	1440
gcgcaaaaag	gaggaggtgg	gcgtagaggt	gaagctgcgc	tccgatgaga	agcacagaga	1500
tgtctgtctac	tccatcgggc	tcattatgaa	gcataagagg	tatggctata	actgtgtgat	1560
ctacggctgg	gaccccacct	gcattgatgg	acacgagtg	atccggaaca	tgaacgtcca	1620
cagcctgccg	cacggccacc	accagccttt	ctataacgtg	ctggtggagg	acggctcctg	1680
tcgatacgca	gcccaagaaa	acttggaata	taacgtggag	cctcaagaaa	tctcacaccc	1740
tgacgtggga	cgctatttct	cagagtttac	tggcactcac	tacatcccaa	acgcagagct	1800
ggagatccgg	tatccagaag	atctggagtt	tgtctatgaa	acggtgcaga	atattttacag	1860
tgcaaagaaa	gagaacatag	atgagtaaag	tctagagagg	acattgcacc	tttgtctgtg	1920
ctgctatctt	ccaagagaac	gggactccgg	aagaagacgt	ctccacggag	ccctcgggac	1980
ctgctgcacc	aggaaagcca	ctccaccagt	agtgtctggt	gcctcctact	aagtttaaata	2040
accgtgtgct	cttccccagc	tgcaaagaca	atgttgctct	ccgcctacac	tagtgaatta	2100
atctgaaagg	cactgtgtca	gtggcatggc	ttgtatgctt	gtcctgtggt	gacagtttgt	2160
gacattctgt	cttcatgagg	tctcacagtc	gacgctcctg	taatcattct	ttgtattcac	2220
tccattcccc	tgtctgtctg	catttgctct	agaacatttc	cttggtgga	cagatggggg	2280
tatgcatttg	caataatttc	cttctgattt	ctctgtggaa	cgtgttcggt	cccagtgag	2340
gactgtgtgt	ctttttaccc	tgaagttagt	tgcatattca	gaggtaaagt	tgtgtgctat	2400
cttggcagca	tcttagagat	ggagacatta	acaagctaata	ggtaattaga	atcatttgaa	2460
tttatttttt	tctaataatg	gaaacacaga	tttcaagtgt	tttatctttt	ttttttaaat	2520
ttaaattggga	atataacaca	gttttccctt	ccatattcct	ctcttgagtt	tatgcacatc	2580
tctataaatc	attagttttt	tattttatta	cataaaattc	ttttagaaaa	tgcaaatagt	2640
gaactttgtg	aatggatttt	tccatactca	tctacaattc	ctccatttta	aatgactact	2700
tttatttttt	aatttaaaaa	atctacttca	gtatcatgag	taggtcttac	atcagtgatg	2760
ggttcttttt	gtagtggagc	atacaaatct	gatgttaatg	tttgctctta	gaagtcatat	2820
tccatggctc	tcaaagacca	aaaaatgagg	ttttgctttt	gtaatcagga	aaaaaaaaaa	2880
ttaatgaacc	ttaaaaaaaaa	aa				2902

<210> 5023

<211> 1113

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (984)...(564)

<223> similar to gil913888 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 5023
agttgcgggg atttttataa caccatatat ggatatatat ggctatatatt ttgcttatcg      60
ttcattgcct cagcgataaa gggaaataaa aatattgatc tataaaataa gccgatgata      120
acacaatgcc aaaaaatagc ttatgggttaa agtgccaagg gggatgaaggc ttgaaagcaa      180
gctaaattgc aacaacatat tgatttaaca tttaaataca aggacttggc aataaaataa      240
ttcttggaag tatggcttct catttttagg tttacttttg gaaaaactac tctatatata      300
catatccagg ttgtaacact tggacagtag cattatgggg catgatataa ctttgggtaca      360
cattgcagat atggatgttt aatgtctgta aatgatattc cttcaccagt tagacttctg      420
tacatccagg tgaccagcca cctggttcta agtcatatcc caccagaatc cctggagtc      480
ttgccagagc catcagagac agcaggcgaa agcaggctca ctgaatccat attgtgtttc      540
ctctctcggt tctcctgggt tccactgtca gttctccaaa cgtggaaaaa aactgctcca      600
tttctttctg tagcatgtca tttcttttct cggcattctt ttttgcctcg tcggcatttc      660
gcatttttat ttctatcatt gtgaactttt tctctctctg atccagttca tcatggaggc      720
tcatcatttc tgtttccaaa gtcaagtttc gctgttctaa gctctttatc ctggactcat      780
actctatctt ctggttggtc atttcctggt tcaggctgga aactaaactg tgcagtgcac      840
tgtggttgct gctgctggtg cccacaaatg tctcactggt gtcactgcta ctggtggcac      900
gactacttcg acctcccaca ctctgtggtt cacttttgct ttcatagtcc ctggggtggg      960
gaaaggtcgt cctgcggggg cccatccaaa acagggtcct caaagttccc cccaaaaaag     1020
tcttgctctg ggcaggtggt ggtagaagag cgacaggagt tggagttctc agggagggag     1080
atttcacagg aggaagtgga ccaggtagca ctg                                     1113

```

<210> 5024

<211> 1937

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (225)...(1064)

<223> similar to gi5824388 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5024
aaggagccaa gaccatggcg aaagccgggg ataagagcgg cagcagcggg aagaaaagtc      60
taaaacggaa agccgctgcc gaagaacttc aggaggctgc aggcgctggg gatggggcga      120
cggaaaacgg ggtccaaccc ccgaaagcgg ctgcctttcc gccaggcttt agcatttcgg      180
agattaaaaa caaacagcgg cgacacttaa tgttcacgcg gtggaaacag cagcagcgga      240
aggaaaagtt ggcagctaag aaaaaactta aaaaagaaag agaggctctt ggcgataagg      300
ctccaccaaa gcctgtaccc aagaccattg acaaccagcg agtgtatgat gaaaccacag      360
tagaccctaa tgatgaagag gtgcgttatg atgaagctac agatgaattt gcttcttact      420
tcaacaaaca gacttctccc aagatttctc tcacaacatc agatagacct catgggagaa      480
cagtacgact ctgtgaacag ctctccacag ttataccaaa ctcacatggt tattacagaa      540
gaggactggc tctgaaaaaa attattccac agtgcctcgc aagagatttc acagacctga      600
ttgttattaa tgaagatcgt aaaaccccaa atggacttat tttgagtcac ttgccaaatg      660
gcccaactgc tcatttttaa atgagcagtg ttcgtcttcg taaagaaatt aagagaagag      720
gcaaggaccc cacagaacac atacctgaaa taattctgaa taattttaca acacggctgg      780
gtcattcaat tggacgtatg tttgcatctc tctttctcct taatcctcaa tttatcggaa      840
ggcaggttgc cacattccac aatcaacggg attacatatt cttcagattt cacagatata      900
tattcaggag tgaaaagaaa gtgggaattc aggaacttgg accacgtttt accttaaaat      960
taaggtctct tcagaaagga acctttgatt ctaaatatgg agagtatgaa tgggtccata     1020

```

agccccggga	aatggataca	agtagaagaa	aattccattt	ataaagtact	gagagaatga	1080
tattggattt	tgctgaacag	gcctatcttg	aactttggta	aattattttt	gacagaatac	1140
tcttttcaaa	atggcatttg	ctgatttcat	aaacctttca	cgtctggacg	aattaccaa	1200
tgccatgaat	tgccactgtg	tgtttatgta	gaaaatacaa	ataaaagtta	ttttgatggc	1260
ttaggtttcc	ttaaacttag	ttctcttggt	tttgggtaac	tgtgaataat	taagttggaa	1320
tcaagattca	gattaacttt	cctatttgca	tagaacacat	gagaggaata	aaatggttgg	1380
taaataattg	ctaacccttg	atttttatac	cagattaacc	ttggattccc	agtgtctggc	1440
acagttttaa	tagcttaaat	ggaggccagg	tttctggatg	ttttaacatt	ctcttaagcc	1500
ttcagaagg	taaaaaattt	aaagcaaaat	gatctaccag	ggtttaaagc	aaagttgcaa	1560
attactgaag	ctaactcttg	cttcctgatt	ttgaggtttt	tggttttttg	tgccacggtt	1620
gtggggagct	cttttttacc	tcattacatg	gtgctgtagt	actcccatte	aggcactgaa	1680
aacaaagtta	accctataag	taactcatgg	atggaaaccc	gtagaactta	acagcctcct	1740
cctgacctta	aaagaataaa	ggttcacagt	ttacctttaa	ttccctagca	gtcttgccag	1800
atgtatggca	taaagtcatg	tgagaagagt	agggtggaaa	aactgtacaa	acttaacccc	1860
ttcaggtgtt	cagaacagat	taatatacca	tgtatttaat	accaataata	atgcaaaata	1920
aaacgtttca	tactaag					1937

<210> 5025

<211> 2685

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4)...(1666)

<223> similar to gi2208839 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5025

gcggccgcgg	cggcggctgg	ggcgttcgcg	ggccggcgcg	cggcgtgcgg	ggccgtgctg	60
ctgacggagc	tgctggagcg	cgccgcttcc	tacggcatca	cgtccaacct	gggtgctattc	120
ctgaacgggg	cgccgttctg	ctgggagggc	gcgcaggcca	gcgaggcgct	gctgctcttc	180
atgggcctca	cctacctggg	ctcgccgttc	ggaggctggc	tgcccgacgc	gcggctgggc	240
cgggcgcgcg	ccatcctgct	gagcctggcg	ctctacctgc	tgggcatgct	ggccttcccg	300
ctgctggccg	cgcccgccac	gcgagccgcg	ctctgcggtt	ccgcgcgcct	gctcaactgc	360
acggcgctg	gtcccagcgc	cgccgcccgc	tgctgctcac	cggccacctt	cgccggggctg	420
gtgctggtgg	gcctgggctg	ggccaccgtc	aaggccaaca	tcacgcctt	cggcgcgcgac	480
cagggttaaag	atcgaggctc	ggaagccact	aggagatttt	ttaattgggt	ttattggagc	540
attaacctgg	gagcgatcct	gtcgttaggt	ggcattgcct	atattcagca	gaacgtcagc	600
tttgtcactg	gttatgcgat	ccccactgtc	tgctgcggcc	ttgcttttgt	ggcttctctc	660
tgtagccaga	gcgttttcat	caccaagcct	cctgatggca	gtgccttcac	cgacatgttc	720
aagatactga	cgtattcctg	ctgttcccag	aagcgaagtg	gagagcgcca	gagtaatggt	780
gaaggcattg	gagtctttca	gcaatcttct	aaacaaagtc	tgtttgattc	atgtaagatg	840
tctcatgggt	ggccatttac	agaagagaaa	gtggaagatg	tgaaagctct	ggtcaagatt	900
gtccctgttt	tcttggtttt	gataccttac	tggacagtgt	atttccaaat	gcagacaaca	960
tatgttttac	agagtcttca	tttgaggatt	ccagaaattt	caaataattac	aaccactcct	1020
cacacgctcc	ctgcagcctg	gctgaccatg	tttgatgctg	tgctcatcct	cctgctcatc	1080
cctctgaagg	acaaactggt	cgatcccatt	ttgagaagac	atggcctgct	cccactcctc	1140
ctgaagagga	tcgccgtggg	catgttcttt	gtcatgtgct	cggcctttgc	tgcaggaatt	1200
ttggagagta	aaaggctgaa	ccttggttaa	gagaaaacca	ttaatcagac	catcggcaac	1260

gtcgtctacc	atgctgccga	tctgtcgtg	tgggtggcagg	tgccgcagta	cttgetgatt	1320
gggatcagcg	agatctttgc	aagtatcgca	ggcctggaat	ttgcatactc	agctgcccc	1380
aagtccatgc	agagtgccat	aatgggcttg	ttctttttct	tctctggcgt	cgggtcggtc	1440
gtgggttctg	gactgctggc	actggtgtct	atcaaagcca	tcggatggat	gagcagtcac	1500
acagactttg	gtaatatata	cggctgctat	ttgaactatt	acttttttct	tctggctgct	1560
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ggccatgtgc	ggtttctgag	gctgacatgt	cagtaactga	ctgggggtgca	ctgagaacag	1740
gcaagacttt	aaattcccat	aaaatgtctg	acttcactga	aacttgcatg	ttgcctggat	1800
tgattttctc	tttccctcta	tccaaaggag	cttggttaagt	gccttactgc	agcgtgtctc	1860
ctggcacgct	gggcccctcc	ggaggagagc	tgcagatttc	gagtatgtcg	cttgtcattc	1920
aagggtctctg	tgaatcctct	agctgggttc	cctttttttac	agaaactcac	aaatggagat	1980
tgcaaagtct	tggggaactc	cacgtgttag	ttggcatccc	agtttcttaa	acaaatagta	2040
tcacctgctt	cccatagcca	tatctcactg	taaaaaaaaa	aattaataaa	ctgttactta	2100
tatttaagaa	agggaggatt	tttttttttt	aaagataaaa	gcatggtcag	atgctgcaag	2160
gattttacat	aaaggccata	tttatgggtt	ccttcctgaa	aacagtcttg	ctcttgccat	2220
gttctttgat	ttaggctggt	agtaaacaca	tttcatctgc	tgcttcaaaa	agtacttact	2280
ttttaaacca	tcaacattac	ttttctttct	taaggcaagg	catgcataag	agtcatttga	2340
gaccatgtgt	cccactctca	gccacagagc	aactcacggg	gtacttcaca	ccttacctag	2400
tcagagtgtc	tatatatagc	tttatttttg	tacgattgag	actaaagact	gatcatgggt	2460
gtatgtaagg	aaaacattct	tttgaacaga	aatagtgtaa	ttaaaaataa	ttgaaagtgt	2520
taaagtgtga	cttgagctgt	ttgaccagtc	acatttttgt	attgttactg	tacgtgtatc	2580
tggggcttct	ccgtttgtta	atactttttc	tgtatttgtt	gctgtatttt	tggcataact	2640
ttattataaa	aagcatctca	aatgcgaaat	ccatgaaaaa	aaaaa		2685

<210> 5026

<211> 4955

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2859)

<223> similar to gi5689511 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5026

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cccccatgca	tgagccacaa	actgtttctc	tttatgggca	tcctgggaac	acaaaagaga	4860
gacgttcatt	tgctgagcc	aaagagctgg	ggttgatggg	gtttcctaaa	taaagcaagt	4920
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<210> 5027

<211> 900

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(898)

<223> similar to gi3548791 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5027

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aaggaccagg	tcctgccaaa	ccccgactct	gacgacttcc	tcagctccat	cctgggctct	180
ggagactcac	tgcccagctc	cccactctgg	tccccgaag	gcagtgatag	tggcatctcc	240
gaagacctcc	cctccgaccc	ccaggacacc	cctccacgca	gcggaccagc	cacctcccc	300
gccggctgcc	atcctgccc	gcctggcaag	gggccctgcc	tctcctatca	tcctggcaac	360
tcttgctcca	ccacaacccc	agggccagt	atccaacaac	agcatcacct	gggggcctcc	420
tacctcctgc	gacctggggc	tgggcactgt	caggagctgg	tgctcaccga	ggatgagaag	480
aagctgctgg	ctaaagaagg	catcacccctg	cccactcagc	tgcccctcac	taagtacgag	540
gagcgagtgc	tgaaaaaaat	ccgccggaaa	atccggaaca	agcagtcggc	gcaagaaagc	600
aggaagaaga	agaaggaata	tatcgatggc	ctggagactc	ggtcctgttg	ctgtcctttg	660
ccctcatcat	cctccccctc	atcagccctt	ttggcccaa	caaaaccgag	agccctgggg	720
actttgcgcc	tgtacgagt	ttctccagaa	ctttgcacaa	cgatgtgtgc	tcccgcgtgg	780
ctgtgatgac	tgtgccaggc	tccgaggccc	caggacccc	acccgaggct	gacacaaccc	840
gagaagagtc	tccaggaagc	cccggggcag	actggggctt	ccaggacacc	gcgaacctga	900

<210> 5028

<211> 683

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (41)...(109)  
 <223> similar to gil62191 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5028  
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 actcctccta tttatggagc aggcacccaa catggctgag ccccggggcc ccgtagacca 180  
 tggagtccag attcgttca tcacagagcc agtgagtggg gcagagatgg gcactctacg 240  
 tgcaggtgga cgacgcccag ctaaggatgc aagagccagt acctacgggg ttgctgtgcg 300  
 tgtgcagggg atcgtctggg agccctttgt ggtgctcaac agtggggaga aaggcgggtga 360  
 ctcccttggg gtccaaatca agggggccaa tgaccaaggg gcctcaggag ctctgagctc 420  
 agatttgga ctccctgaga acccctactc tcagggtcaag ggatttcctg cccctcgcga 480  
 gagcagcaca tctgatgagg agcctggggc ctactggaat ggaaagctac tccgttccca 540  
 ctcccaggcc tctactggcag gccctggccc agtggatcct agtaacagaa gcaacagcat 600  
 gctggagcta gccccgaaag tggttcccc aggtagcacc attgacactg ctcccctgtc 660  
 ttcagtggac tctactcatca aca 683

<210> 5029  
 <211> 4235  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (4236)...(940)  
 <223> similar to gi5689527 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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 aaaacatatc aaatagaaaa taataattta ttttaacttc attttactgt ttgtaactaa 120  
 tcatgatttt gtgaacttgc ctgtataagt ctgtaccttc aaatctacaa agcaaaagtt 180  
 tactacaatg agcacttaaa attccacaaa ccgtctccat ccacaacttt cctgtacatg 240  
 caaattcttt cagtgggctg caatatttgc aaacatgctt taaacttcca taaagatgca 300  
 agatattttg ctttctgcta aaacctttac actctcttgg gaaccttaac caggaaaatg 360  
 tttaaatgta tatcccaact ctaaagctg cgggtttggg tatatgtatt aaatcggtta 420  
 ccaccgggtt ggggtggttt gagttgaaac cttcacctaa atgataatat cttaacggtc 480  
 acgcatatga aacacattca gtaacgtacc attataaaat aggggtccat taaaaataca 540  
 tactggcagt tgtattttgt ttttaggcag gaaaaaagc gtgtttaact tttttatatg 600  
 aatatagttt aaacaagtta ttctgtgaaa gtatgcttaa taaaagatct ttctgaaatt 660  
 taaacacttt atgtaaaagg gtacaggtag aaaagtacaa ttgctatttg aaaaaagctc 720  
 tgtttgtaa tattgccttc caagatagta aggggtgttt tctctctctt cccttaaaat 780  
 agacctatga caccagagt tgtagggttt gcaaatttgg actataaaca tgaagaccgt 840

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aaggaattgt	atactctagt	gccgtccggg	gattttgtgc	cgtggggtta	gagttcttgg	1020
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gtggcgggcca	ggccccgggg	tcgcccgcgg	gcggccgggg	gccccctccc	tccccacgag	4200
gcggccccaga	caggccgggt	acgcgcgcgc	cgcgcgcgc			4235

<210> 5030  
 <211> 4226  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(2513)  
 <223> similar to gi3882233 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5030

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gttgtaacgc	ccgcttccac	ttcaccacac	ccatccagca	gaagaaccct	ttcaccctca	120
aggtcctcac	cacccgagga	gttgccagaaa	gaacaccaag	cttcattgtat	ccccagggca	180
ccgcgagcag	ccagatgggtg	cttcgtggca	tggacctcct	gctggaatgc	atcgctccg	240
gggtcccaac	accagacatc	gcattggtaca	agaaagggtgg	ggacctccca	tctgataagg	300
ccaagtattga	gaactttaat	aaggccctgc	gtatcacaaa	tgtctctgag	gaagactccg	360
gggagtattt	ctgcctggcc	tccaacaaga	tgggcagcat	ccggcacacg	atctcggtga	420
gagtaaaggc	tgctccctac	tggctggacg	aaccaagaa	ccttattctg	gctcctggcg	480
aggatgggag	actggtgtgt	cgagccaatg	gaaaccccaa	accactgtc	cagtggatgg	540
tgaatgggga	acctttgcaa	tgggcaccac	ctaaccctaa	ccgtgagggtg	gccggagaca	600
ccatcatctt	ccgggacacc	cagatcagca	gcagggtgtg	gtaccagtgc	aacacctcca	660
acgagcatgg	ctacctgctg	gccaacgcct	ttgtcagtgt	gctggatgtg	ccgcctcgga	720
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caatcaacct	ggaatgggat	catcctgagc	atccaaatgg	gatcatgatt	ggatacactc	2280
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tgtaacaaa	ggccaggcca	ggccaggcca	tgatgcactt	tcttgattac	tcaattctgc	4020
aaatagatag	ataaagagag	ccccttcttc	cctccctatg	tgcaccccaa	tacagaacat	4080
cagataacaa	agccctattg	tccagcccca	gtaaccacca	cagagaatgt	tctgcagccc	4140
caggggacaa	aaggacaaat	agaggctttt	ttcttaactt	agggctttgc	agaaaattca	4200
agaatttcac	ttagggtctct	cagtcc				4226

<210> 5031

<211> 1208

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1210)...(557)

<223> similar to gi4850326 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5031

atctacacct	cccccaagac	atcaggggaca	aagtgggggtg	gagtgagatg	gggaaggaga	60
agaaggata	gaagactcca	agggcttctt	ttaaaggtag	cctggtactc	agttaacaat	120
tcctcccagg	cagctagctc	ctgtgagtg	caaagacaat	ggaaaagagg	aagggggggg	180

cggagggagg	gagggagaag	gaggggctgg	gaaggcattc	aagcagctgc	agtttccgga	240
tatgtgtcca	catctgtgtt	ctgtcttctg	aaaaagaaaa	atttcccccc	aaaccacacc	300
ctgcccctgc	attgtctgtt	tgacacaaa	tttcaggacc	ctgaaaaaaa	gccccaaagt	360
gcttcttcat	catcttgggg	aatacaggg	acgtggtggt	ggtctctgta	ttttccgaag	420
ctgggggtag	ggagtgggca	gactagcaag	gtcagcctca	ggaggctaaa	acctctgacc	480
ttgctgcagt	cttcttagat	gtcagaagag	aaccagggtt	ccaggcagag	cactggggct	540
tcgacacaaa	ctgtcagaaa	ggcttgtcgg	gcctgctggt	cttggcatcc	ccgtgggtg	600
ctttgcagat	gacgctgttc	gtgtgcttgc	agcggcaacc	agggcggcgc	agacggtcgt	660
agccacgctg	ggccagcttc	acgcagccgg	tggcaggcag	gtagcagagc	aggcagggca	720
gcaccacgga	gagagcaccc	atgaaggacc	agcgggcgca	gcagttggag	cgggagcagg	780
agcaggggtg	gtcagcgcag	gagccctcat	cgtcctcatt	cgtgcagtgg	tagaagatgc	840
cctgcaccaa	acacatgcac	gtgccatagt	tgaccagagt	ctgggctgag	cacaggcact	900
cctggttgca	gacccagcag	gaaggcaacg	tccgggggga	tgacactcc	ttgcatttac	960
acttcccaca	ggcctcgcac	agcaagaagt	gcttgtccag	ctcgggtggg	accgccgggc	1020
ccttgaggtc	cagcggctgg	cagtggacca	ccttgggctg	gatgcgcaca	gcccttggtg	1080
aggcctggtc	agccacgggt	ggtggtgcc	tgtggtctaa	gagccgttgg	tcagaggatg	1140
tgctgctgct	gctgctcaca	gagctggggc	gcccgtgaa	ggagatccaa	tggtgggtga	1200
catcctgg						1208

<210> 5032

<211> 1959

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1916)...(1208)

<223> similar to gi3413920 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5032

ccttgagact	cgacatccag	agttttttgt	ggcctagtga	tgtaggcact	cttctgccac	60
acaaccaatg	gtgattactg	aaattccaaa	ctcctgaaaa	gagctatcgg	cccagtggtt	120
tcttttagaa	ggccggtttg	gtggcaccaa	aaagcaattg	cttcctccat	tcctactacc	180
tggaacaca	aacttttaaa	ttcatgccag	ttcaattgga	acagtagcaa	atttcatgaa	240
gcagctaaaa	agaagagcaa	cagctggtac	atcaggcatt	aataatataa	caaaggaaga	300
aaaaagagaa	atttttcatt	agtacttttt	gatgtcaatt	tattatttat	ccctttgcca	360
gtattcaaac	agacaggcag	tcataaaaaca	ttaaaaaaga	tcctttaaaa	cggtcaggca	420
tctgttttac	ctcagttcct	ttttagaaac	ctggaaatca	ggagccccgg	cttttatgct	480
atagcaagtt	tgacacttgc	tgtatcaaaa	atattgcttg	aggatcacta	cgtagaaaga	540
gttttgttta	aaattttatg	aaaggctggt	taggcaggca	gacaatggtt	tctaaggcaa	600
gatccagtgt	aaatcaggca	atgtgctggt	tcccaactgt	ttgactcctc	agttcatatt	660
ctgaaaccgg	ggggcggttg	acaaaaccca	ctgtttcagt	taattaggca	tcctgtcaaa	720
tctttccaat	caaggactag	gcatgctgca	cctggtccta	ggtttaaaaa	acacattgtg	780
gggggcaatt	ctgatgtgac	cctcaggggc	ccgctggcca	tgctcagaac	tggcattcag	840
cgtgcatgcc	ataattacca	tcacacaaa	ataagtagac	ctccttgtcc	agcagctctg	900
agagattctg	cctaataccta	atgacctgcc	acaccatttt	aacttctttg	ataaatgtct	960
atccttgtga	tttagacctt	tcctctcctg	taaagaaggt	atctcttcct	gggacagaag	1020
actcctcaga	agtagaatca	ctgtagaaat	aaagcaaatg	aaaaatggag	aagcaaaaac	1080
caaagtaaaa	cagaagcctt	aacagccctc	tccccagcag	gagcttggtg	gaggaggtgt	1140

gggtgctgag	tccccctcc	ctagcttgtc	ttgccctcag	tgctctgggt	gcttttgcct	1200
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agtgccttgc	catggtctgg	gccttccatc	tggggtggag	atctgagcag	tttgctgtga	1620
tgatgcctca	gcaccttcac	tgtctccatc	cactgtgcct	gctcactctc	ccaagggtcc	1680
acccgatcc	agtcggatgt	ctgcagggcc	agccgggcca	tggccactcg	gtgatgagaa	1740
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tggtacattc	ctgtttgggtg	taggtgatct	ctggccacct	caaacatgcg	cagggtgcatg	1860
ttggtgatgg	ggttaaagga	gccacaggcc	aggagcacca	cagggtattcg	gctcttcatc	1920
ttgtcaggca	catccacacc	tgttgcagtg	caagtgcaa			1959

<210> 5033

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(143)

<223> similar to gi1872200 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5033

tttttttttt	ttagtagaga	tggggttttg	ccatgttggc	caggggtggc	tcacactcat	60
aggctcaagt	aatctgccc	cctcagcctc	caaaagtgtc	gggattacag	gcgtgagcca	120
ctgtgcccgg	cctgacttca	aatcctgtgt	tgaatagaag	tagtgagagc	gggcacacct	180
ctcttgttcc	tgatcttggg	ggcaaagatt	tcagtctttc	atctaaaatg	actgaaagac	240
tttcagccat	gggccttgca	tgactggcct	ttattttgtt	gcagtatatt	ccttctcttc	300
ctggtttgtg	gagtgtttta	ccaggaaagg	gtgttcaggc	tgggcacagt	ggctcaagtc	360
acacaaaagt	gtcaagtcag	ccctgcccac	gggccccagt	gcccattctc	ctgctgaggg	420
gctgggcctc	accttggctg	gctgggcccc	tcccacctgg	atccctgcag	acccacccgc	480
actcagcctc	acacgaaa					498

<210> 5034

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1351)...(332)

<223> similar to gi687827 in the genepept database release 114,



Run with FASTXY 3.3t00, default parameters

```

<400> 5034
ggcagtctgc tgacccttgg aagatgaagg agaaatggga gaaggcagag gggtcaggtg      60
ggggctgcca gaggaagcgg ccctgagctg ctggttccca gtccctccct cataagcaaa    120
gctgaggccc tcaggttacc acgggacact gttaagttta ttctagggtg agtgggtgcc    180
caaggggggc agtgagtatg gccgaggtca cctgggtggca ggggtgctcag ggatggccac    240
aggttctata gggccctgca gggcctgagt ctctagtcag ttgggatgct tcaccttctg    300
ccccacccca aggggggttg ggcagtcag gatgtagtag ttttcgtaat tcgcagggat    360
cagtgatggg cactgagcag gcttgattct cacacacata tgcagtggcc tggctttcca    420
accgtcggag ggtactcagg aaaggcagct ggcgggacag gaagctcgag gggccccat    480
cagccagaat cagcaccttg ttaggaatgt agacagagtg gacgcactgc accagggcct    540
tgggtgcctt ggcctgacgg tctccacaga tcacgatctg cttgagggtc tgctgctggg    600
ctgagagggc gcggaccatc tcgggcaacg ccaccgggac acgacgcatg cgctcggaaa    660
aggcgggtcaa taggcacaca cacttgctca tccagtcctt gtggcccgtg aagccatgca    720
gccggagcag gttgtgggct gacacggaat tggcgctggg ctctgctcca tcctggctgt    780
ccttcagacg caggggcagg ccagccccc gctcagcctc actgcagaag tagccgccac    840
cctgggagtc ccaaaagagc ctgtcctgtg tgtcctgcag ccgcagagcc cactcgagcc    900
acgcactctc ctgtgaggcc tcatacaggt ccagcaggcc ccgcaccacg aaggcgtagt    960
cctccaggaa gccccagcag ggtgggttgc tgtgtccac agtcccccca gggccggtgt   1020
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caccattggt ggcatagttg atcagcctgt cttggccag gacagcccca gtcacagcat   1140
agcctgacac catcaagcca ttccaggcag ccagcatctt gctgtccagg tgcggcttgg   1200
gccgatgctt ccgggcctgg aagagcttct ccagccctga attgagcaag gtccgcacgg   1260
cctccacatc caagccaaaag cgggcagcag tcagctccag cgagtaccgg acggtcagca   1320
cattctggcc ctgcagctcc cccttgggg      1349

```

<210> 5035

<211> 1911

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1912)

<223> similar to gi3882283 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5035
gagccatcca tcggggagtt taatgagcag gttctgcgac tgatgcacag ccttgaata      60
gatcagcaga aaaccattga gtctttgcag aacaagagct ataaccactt tgctgccatt    120
tatttcttgt tgggtggagcg cctgaaatca catcggagca gtttcccagt ggagcagaga    180
cttgatggcc gccagcgtcg gcctagcacc attgctgagc aaacagttgc caaggcacag    240
actgtggggc tcccagtgac catgcattca ccgaacatga ggctgctgcg atctgcctc     300
ctccccagg catccaacgt ggaggccttt tcatttccag catctggctg tcaggcggaa    360
gctgcattca tggaagaaga gtgtgtggac actccaaagg tcaatggctg tctgcttgac    420
cctgtgcctc ctgtcctggt gcggaaggga tgccagtcac tgcccagcaa catgatggag    480

```

acctccattg	acgaagggct	ggagacagaa	ggagaggccg	aggaagaccc	cgctcatgcc	540
tttgaggcat	ttcagtcac	acgcagcggg	cagagacggc	acactctgtc	agaagtgacc	600
aatcaactgg	tcgtgatgcc	tggggcaggg	aaaattttct	ccatgaatga	cagccccctcc	660
cttgacagtg	tggactctga	gtatgatatg	gggtctgttc	agagggacct	gaactttctg	720
gaagacaacc	cttcccttaa	ggacatcatg	ttagccaatc	agccttcacc	ccgcatgaca	780
tctcccttca	taagcctgag	acctaccaac	ccagccatgc	aggctctgag	ctcccagaaa	840
cgagaggtcc	acaacaggtc	tccagtgage	ttcagagagg	gccgcagagc	atcagatacc	900
tccctcacc	agggaattgt	agcatttaga	caacatcttc	agaatctggc	tagaaccaaa	960
ggaattctag	agttgaacaa	agtgcagttg	ttgtatgaac	aaataggacc	ggaggcagac	1020
cctaacctgg	cgccggcggc	tctcagctc	caggaccttg	ctagcagctg	ccctcaggaa	1080
gaagtttctc	agcagcagga	aagcgtctcc	actctccctg	ccagcgtgca	tccccagctg	1140
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ctgcaggcct	attttaatca	gatgcagata	gcagagagct	cctaccaca	gccaagtcag	1380
cagctgcccc	ttccccgcca	ggagactcca	ccgccttctc	agcaggcccc	accgttcagc	1440
ctgaccacgc	ccctgagccc	cgctcctggag	ccttctctcg	agcagatgca	atacagccct	1500
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gagctgccaa	gcgctgtctc	ccctgcgcca	gactatccca	ctccctgtca	gtatcctgtg	1740
gatggagccc	agcagagcga	cctaacgggg	ccagactgtc	ccagaagccc	aggactgcaa	1800
gaggccccct	ccagctacga	cccactagcc	ctctctgagc	tacctggact	ctttgattgt	1860
gaaatgctag	acgctgtgga	tccacaacac	aacgggtatg	tcctggtgaa	t	1911

<210> 5036

<211> 1976

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)...(1108)

<223> similar to gi3560166 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5036

tttcgtcaag	agtggagatg	acccaccggc	catgagacag	ggcagtgagc	acacgtatga	60
gagctgtggg	gacggagtcc	cagccccgca	gaaagtgtt	ttccccacgg	agcgactgtc	120
tctgaggtgg	gagcgggtct	tccgctggg	cgcaggactc	cacaaccttg	gcaacacctg	180
ctttctcaat	gccaccatcc	agtgttgac	ctacacacca	cctctagcca	actacctgct	240
ctccaaggag	catgctcgca	gctgccacca	gggaagcttc	tgcagtgtgt	gtgtcatgca	300
gaaccacatt	gtccaggcct	tcgccaacag	cggcaacgcc	atcaagccc	tctccttcat	360
ccgagacctg	aaaaagatcg	cccgcactt	ccgctttggg	aaccaggagg	acgcgcatga	420
gttctgcgg	tacatttttt	ttgccatgca	gaaagcctgc	ctgaatggct	gtgccgggtt	480
ggatcgtaaa	acgcaggcta	ctaccttggt	ccatcaaatt	tttggagggt	atctcagatc	540
acgcgtgaag	tgctccgtgt	gcaagagcgt	ctcggacacc	tacgacccct	acttggacgt	600
cgcgctggag	atccggcaag	ctgcgaatat	tgtgcgtgct	ctggaacttt	ttgtgaaagc	660
agatgtcctg	agtggagaga	atgcctacat	gtgtgctaaa	tgcaagaaga	aggttccagc	720
cagcaagcgc	ttcaccatcc	acagaacatc	caacgtctta	accctttccc	tcaagcgctt	780

tgccaacttc	agcgggggga	agatcaccaa	ggatgtaggc	tatccggaat	tcctcaacat	840
acgtccgtat	atgtcccaga	ataatggtga	tcctgtcatg	tatggactct	atgctgtcct	900
ggtgcactcg	ggctacagct	gccatgccgg	gcactattac	tgctacgtga	aggcaagcaa	960
tggacagtgg	taccagatga	atgattcctt	ggtccattcc	agcaacgtca	agggtggttct	1020
gaaccagcag	gcctacgtgc	tgttctatct	gcgaattcca	ggctctaaga	aaagtcccga	1080
gggcctcatc	tccaggacag	gctcctcctc	ccttcccggc	cgcccagtg	tgattccaga	1140
tcactccaag	aagaacatcg	gcaatgggat	tatttctctc	ccactgactg	gaaagcgaca	1200
agactctggg	acgatgaaga	agccgcacac	cactgaagag	attggtgtgc	ccatatccag	1260
gaatggctcc	accctggggc	tgaagtccca	gaacggctgc	attcctccaa	agctgccttc	1320
ggggtcccct	tccccaaaac	tctcccagac	acccacacac	atgccaaacca	tcctagacga	1380
ccctggaaaag	aaggtgaaga	agccagctcc	tccacagcac	ttttcccca	gaactgctca	1440
ggggctgcct	gggaccagca	actcgaatag	cagcagatct	gggagccaaa	ggcagggctc	1500
ctgggacagc	agggatgttg	tcctctctac	ctcacctaag	ctcctggcta	cagccactgc	1560
caacgggcat	gggctgaagg	ggaacgacga	gagcgctggc	ctcgacagga	ggggctccag	1620
cagctccagc	ccagagcact	cggccagcag	cgactccacc	aaggccccc	agacccccag	1680
gagtggagcg	gcccatctct	gcgattctca	ggaacgaac	tggtccaccg	ctggccactc	1740
caaaacgccg	ccaagtggag	cagattctaa	gacggtgaag	ctgaagtccc	ctgtcctgag	1800
caacaccacc	actgagcctg	caagcaccat	gtctcctcca	ccagccaaaa	aactggccct	1860
ttctgccaag	aaggtgggtg	tgtgggggtc	tcgccgctgc	tgtgtatcaa	gagagctcca	1920
agagttgctt	ggttgtggtt	tgaagggagt	gagaacattg	tccgggggct	ttggcg	1976

<210> 5037

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (7)...(368)

<223> similar to gil469868 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5037

tatttcgtct	ccctgcaggt	ggaggtagaa	tcgaggaaca	gtccggagaa	ggaggagcga	60
gtgcctgccg	aggagatcac	ctatgagaca	ctgaagaaag	ccattgtgga	cagcgtagca	120
gtggaggagc	aggagcgtga	gcggcggcgg	caggtggtgg	agaagttcca	gaaggcaccc	180
ttcgaggaga	ttgctgcaca	ctgcggggcc	cgggcatcgc	tgctccagag	caaactcaat	240
cagatctttg	aaatcaccat	ccggccccca	ccaagcccat	caggaaccat	cactgcagcc	300
tacggtcagc	cgcagaacca	ctccatcccc	gtctacgaaa	tgaagtttcc	cgatctgtgt	360
gtatactgaa	ttccaagagc	ctgagctcct	caaggagatg	gggtctgagg	aggggctc	418

<210> 5038

<211> 1240

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1108)...(126)  
 <223> similar to gi1213541 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5038

tttttttttgg	ggaagaatgt	gtcattttct	gaatcccttc	tccactgacc	cactttccat	60
ccctccacac	aacttcagta	ggttgatggc	ttctactggg	ccaggccctt	tgaccccagc	120
tagggcctca	gggactttcg	ggccttttcc	aaaatttcct	ccctgatctt	ggggtagtgc	180
gggtgctccc	tgaggacatc	ggtgcagatt	tcgatggcct	ccacaaattt	cttgtccttc	240
aggtagttga	aagcaagttt	gaagccaatg	gcagggttgg	cgtgatgact	gtacttccag	300
gccagtttgt	agttggtgac	tgcatecttg	taggactgct	ccttctccat	gatgaagccc	360
atgtactcat	aggccttgta	gcaggacttg	ttgtattgca	cacagcgccg	cagcagttct	420
aaggcgaggt	cgaacttgct	gccctggcag	taaagtgcag	ccagcaggag	ccagctcttc	480
tccaggctct	cagcctcact	cagcaccag	ggggtcttgg	ccaggcgctt	caactgcata	540
cgcgcttgg	ggatctgctt	caggaacacg	taggcttgtg	ccaaggccag	cagggcaggg	600
acgtgtctct	tctcagcctg	cgctatctgg	atgaagctgc	ccagcgcagc	ctccatgtta	660
gccttctccc	tggtggccag	ccggcagagg	ccctgcagca	gccgcagctg	ggtctggctg	720
gagctgaat	gtgggtaaaa	ctcacgcagc	agtttctcgg	cgggtgctcac	accctgctgc	780
tccaactcct	tcttctccat	gtagttgctc	tcagctccct	ggttctcaaa	agcctctccg	840
cccacaacct	cgttgtctgg	attcagacag	atctgcacca	tgtggtagat	ggcgctctgg	900
ccccaaagtgc	tgtccttgcg	tgccttgctc	aggaacttta	aggcttcggt	gggctgccct	960
atgtgccagc	agtagatacc	tctgcagtaa	ttgaaccttg	gttccaaagg	caccgcgcta	1020
gacaccttct	tggccaattc	aaagaaggca	ggaatgtctt	caagttttcc	acttcttctt	1080
agcagatcga	ttaatttatg	caataccaaa	aaattgtcta	aaataagaga	cagaaatctc	1140
caggctgaaa	tgcccagtag	ctgttatcag	atgagggtgc	tggggcctta	ggagaagcca	1200
agagatactg	cccatctggg	ctgagcaggg	acattccaac			1240

<210> 5039  
 <211> 1780  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (13)...(617)  
 <223> similar to gi5824481 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5039

cggtggaatt	cgatggatgc	ctgcaacagg	tacagcaagc	tgaattgctt	agtggcgccc	60
acactcttcc	tggagttcca	tggctcccag	caggcactgg	aggagcagct	gcagcgca	120
gaggagatag	tccagcagaa	cggagcctct	gacttctcct	gggccaagga	ggccgaggag	180
cgcagccggc	tttgacagc	acggcacaa	gcctggtacg	cagccctggc	cacgcggcca	240
ggctgcaagg	gctactccac	ggatgtgtgt	gtgccatct	cccggctgcc	ggagatcggt	300
gtgcagacca	aggaggatct	gaatgcctca	ggactcacag	gaagcattgt	cgggcatgtg	360

ggtgacggca	acttccactg	catcctgctg	gtcaaccctg	atgacgccga	ggaactgggc	420
aggggtcaagg	cttttgcaga	acagctgggc	aggcggggcac	tggtctctcca	cggaaactgtgc	480
acggggggagc	atggcatcgg	aatgggcaag	cggcagctgc	tgacaggagga	ggtggggcgcc	540
gtgggcgtgg	agaccatgcg	gcagctcaag	gccgtgctag	accccccaagg	cctcatgaat	600
ccaggcaaaag	tgctgtgaag	ggggctctgag	cacttagccc	acaagtcccc	tgactacgga	660
gccggttctg	gaacttttct	tcatgccacg	gcccctgcaa	ggaaatagat	gctgaggcag	720
tcttcctgcc	agcgagccca	ctgtatctgg	gcccaggcc	agagggccca	gagagaagcc	780
tgagcaccgt	gttacctccc	tggccctctg	gctggccccc	aggagccttt	ggttcaagta	840
aacgacccca	gggtgggttc	ccagcaaagc	tgttccctct	ctgctcctac	gcacccctgtc	900
ctggcgggaa	gagagcgtct	gggtccattc	aagactctga	tgacaccct	ccccgaggcc	960
tccactgcc	ggggtcccag	gacccttccc	ccttcacctg	gtgacaggaa	cactcctttc	1020
ctggtatgga	acgtgagctc	ccgtgacatg	atgataggtc	ttctccttgg	ggcctcccc	1080
aataaatctg	taataaacct	gaaacccacc	tacagctacc	tggaagtcag	caggcagcac	1140
ttcctcccc	ccccctccag	ggtctctgtc	ctttggtcag	tgacccttt	gttttggggc	1200
tgctctctga	cttcttatag	cctggggagg	aggttgggtc	tcagggttcg	gaaaggaacc	1260
caggctccctg	tcccagctac	tcgcctcag	agctgaggac	ctgcccacgg	cacatgtcac	1320
tcaggatggg	ctccccaact	gggcctgaac	cgggcctctg	aacacactga	atgtgttcct	1380
cagcagctgc	cacgtctcta	gaaacagaga	tgagactatt	tttgaccca	cctcttcatg	1440
gggtgatgta	tcgtaccacc	agctgttttg	ccctcaaggt	ctgtccaccc	gagggcctgc	1500
ccctgtcttg	ggcggagcc	cgtcttgaga	ccttggcagt	tgttcccccc	taagcccaca	1560
ggagggcgcc	cgaaatcatg	aagctcagat	accacgcggc	atctgcagct	cacgactcct	1620
ctgcccaggg	cctgcggcac	tcagccctgg	gcaaacctcc	tcctatggtc	aggtaagtcc	1680
tggcagcctg	gaagccaagc	tagtctctca	tccctgcag	gtcccaggaa	cctgcagtgc	1740
tgtctcatct	tccttgcccc	tctagccttc	ggtccctttg			1780

<210> 5040

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (16)...(170)

<223> similar to gi3341906 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5040

ctcgcaggcc	gcaagggtgct	gctcttcgtc	tcaggctacg	tcgtgggctg	gggtcccatc	60
acctggctgc	tcattgtctga	ggctctgccc	ctgcgtgccc	gtggcgtggc	ctcagggtctc	120
tgctgtctgg	ccagctggct	caccgccttc	gtcctcacca	agtccttcct	gccagggggg	180
gtgagtgttc	agccccaggc	cccaggcccc	taggcctctc	ctgactggcc	aggacccttc	240
tcagtgccag	gggctgtgcc	aaggcctgct	gtcaggaccc	taactctcag	tgaccctagg	300
agatgagcac	acacccctg	aactcagaga	ccccagagtg	gtcacgtgat	agcctagcaa	360
acgtcttca	ttataagaaa	caggaacggg	cgtatgcaac	tgctctggta	agtcagggtta	420
g						421

<210> 5041  
 <211> 628  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(549)  
 <223> similar to gi2289244 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5041

cagtatatcc	ggtgctcttc	gaactggtgc	ttatatggtg	tacattttga	tgaccaaagg	60
cctgaagcag	tcagtttgtg	accaggggtt	ttacaatgga	cctgtcagca	aattctgggc	120
ttatgcattt	gtgctaagca	aagcaccoga	actaggagat	acaatattca	ttattctgag	180
gaagcagaag	ctgatcttcc	tgcactggta	tcaccacatc	actgtgctcc	tgtactcttg	240
gtactcctac	aaagacatgg	ttgccggggg	agggttggtc	atgactatga	actatggcgt	300
gcacgccgtg	atgtactctt	actatgcctt	gcggggcgga	ggtttccgag	tctcccgaa	360
gtttgccatg	ttcatcacct	tgtcccagat	cactcagatg	ctgatgggct	gtgtgggtta	420
ctacctgggc	ttctgctgga	tgcagcatga	ccagtgtcac	tctcactttc	agaacatctt	480
ctggctctca	ctcatgtacc	tcagctacct	tgtgctcttc	tgccatttct	tctttgaggc	540
ctacatcggc	aaaatgagga	aaacaacgaa	agctgaatag	tgttggaact	gaggaggaag	600
ccatagctca	gggtcatcaa	aaaaaaaa				628

<210> 5042  
 <211> 850  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (851)...(538)  
 <223> similar to gi5902966 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5042

cagtactcca	atcaacattt	atgtgcagga	tcataaacag	acagaccatt	ttacagtttt	60
cagaattaaa	gtcttctagt	tgcagtgaag	tcttgaatct	ggatcacctg	gattcatgca	120
agatggcaca	gggtgcttgt	catcatctac	atatagagtt	agcttttttt	gcccattgac	180
aatgtttctt	tatcaataat	gaagctggat	gataccaaat	agattctatt	gctttattga	240
ttattacttt	cattaaacaa	tgttagccat	ataggatgat	taaaaaaaca	actaatatcc	300
ttggaatatg	aacatcctat	taactgatac	aaactgactc	cacctttctt	atagcagtga	360
attttcaggt	cacatacaat	cagtaattta	tactccaaat	acaacaatca	cgtttgtatt	420
aatcatccag	tacaattcac	aggttcctat	tacacagggtg	gatgtactta	gagagtttta	480
gcacaaaagc	tgatacaaat	atgaaagtgt	gctcagtcga	atgggttagtg	agggtgtaca	540
ggtgagtgtc	ggcgatgggt	atcctcctga	gctccacgat	ctgggagtca	gtcaagggtgc	600
ccccctcctg	gctgccttga	ccagattcat	tatcactgac	actgagacca	gcaccagttt	660

ttaatgcaaa	tattaaatca	tcaaactcct	gggactcctc	atcggctatc	agtgacccct	720
ggccatatcc	tccagaggac	gggaacgtgg	ctccattttg	tggacttggc	tttaaatacag	780
ggctggcctg	actgccctgt	tggaaggatg	ctctctccca	gtcaggtggc	acctcctcca	840
tagcaccgat						850

<210> 5043

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (14)...(522)

<223> similar to gi297402 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5043

cttgacatgg	ccccagctct	tcttggagac	cctgccggag	ctcctgcaca	tgtcccgccc	60
agcagaggat	ggacccagcc	ctggggccct	ggtgccggag	agcagctccc	tgggatacat	120
ctccaaggcc	gaggagtact	tcttgtctca	gtcccgagct	gacctcatgt	tcgagaagca	180
gtcagagcgg	catgggcttg	ccaggcgctt	caccactgca	cgccggcccc	cagcaagctc	240
tgagcaggcc	cagcaggaac	tcttcaatga	gctgaagcca	gctgtggatg	gggcaaaactt	300
cattgttaac	cacatgaggg	accagaacaa	ttacaatgag	gagaaagaca	gctggaaccg	360
agtggcccg	acagtggacc	gcctctgcct	gtttgtgggt	acgcctgtca	tgggtgggtgg	420
cacagcctgg	atcttctctg	agggcgctta	caaccagcca	ccaccccagc	cttttctctgg	480
ggacccctac	tcctacaacg	tgcaggacaa	gcgcttcac	taggggtgggc	ctgttggggga	540
gccaggagac	agcaggggtc	gagagaggag	ccacagtccc	taatgacacc	cactcctagc	600
cctgaggctc	gtgcccctca	gactggggaa	gagtccaagg	aagggaggga	gcagccactc	660
ctcaatgctc	aatggctccc	ctgaaatcaa	gacagggggc	acccgagatg	gtctgaggggt	720
ggacatcggc	tacagtgggt	gggcaggacg	atttgggggg	aggcccagag	ctggctcagg	780
ggccagggag	gagaacactc	agggtggcct	caggggggaga			820

<210> 5044

<211> 841

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(842)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (812)...(319)

<223> similar to gi297437 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 5044
tttttttttt ttcaccattg aagaacctgc attatcgttt attgtgatcc taattcggtc      60
cacagtaaca attgaaactg cctcgactaa attttaagtt tctggggcag caccaccatg    120
aaggcagcga ctgccttttt aaaagacagg gttctgacat tcagagattt ctgtttctct    180
atccatcatt tttgggcacg ttgaatcacc tgatttagag tcagtacat cctgactgga    240
ttggttctgc tctcgctggg cgggtgagac cccagaccc acgtccacag tgcacctgat    300
gttctccag cggtcgtcac ttccccaagg aggccaggta ggcataccag aacagagctg    360
ccaggttggc gaagagcacc cggaacttca gagggacgta gttgatgttg atgaactgta    420
gtggcgcca caccgccag ttcacctca gcgccggcca gaagcccccc ctcatcttgg    480
cggcgaaagg tgaggcgtct ttccctcca gaaagttcat gatgaggaag aacaacatga    540
ggaaggccgg tgcaaagacg aggcgggtcca ggagaagcct cctgagccct gccaggggga    600
cctcaggagg gatccaatgt tccatgaaga agtagaagaa gtgactcagc ggccctgtga    660
agaagaaccc gtaaaggcga tatctcagag gccaccgac atccagactt ctagagtttt    720
cttttttccg cttcttctca atcatctggg ccaggaagtt cccaagtgt gacaaaatgc    780
cactggtggc cgcttggtg agcaccggga attccaccac nccgactaag gtcctcaagg    840
t                                                                 841
```

<210> 5045

<211> 1988

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (34)...(759)

<223> similar to gi200785 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 5045
agctgcacca ctagaaagat ggcgagcaa gagcaaagaa aaatcccttt ggttccagaa      60
aatctcctga aaaagaggaa ggcttatcaa gccctcaaag ccaccaggc aaagcaggca    120
cttttggaag agaaggagca gaagaaagga aaagggtcga ggtttaagcg actggaatca    180
ttcctacatg attcctggcg gcagaaacgt gacaagggtg gtctcagacg actagaagtg    240
aaacctcatg ccttggaatt gccagataaa cattccttgg cctttgttgt acgcatcgaa    300
aggattgacg gcgtgagttt actggtgcag agaaccattg caagacttcg cctaaagaaa    360
atttttagtg gtgtccttgt aaaagtcacc cccagaatc taaaaatgct gcgtatagtg    420
gaaccttatg tgacctgggg atttccaaat ctgaagtctg tccgagaact cattttgaaa    480
cgtggacaag ccaagggtcaa gaataagacc atccctctga cagacaatac agtgattgag    540
gagcacctgg ggaagtgttg cgtcatttgc ttggaagacc tcattcatga aattgccttc    600
ccagggaagc atttccagga gatctcatgg ttctgtgcc ctttccacct ctcagtggcc    660
cgtcatgcta caaaaaatag agtgggcttc ctcaaggaga tgggcacacc tggctatcgg    720
ggtgaacgca tcaatcagct catccgtcag ctgaactaga cccagggtgc aaactgcggt    780
aaatttttta tcagtgaagt ggaagcatgt gttttgtttt ggaaattttt atcaagtatc    840
ttcagagaag attatttcct gctttatctt cagaaactgg aaagggtcaa agaaaagaca    900
gtagctggcc ggctcggtg gctcatgcct gtaatcccaa cacttaggga ggctgaggtg    960
```



ggcagatcac	ctgaggttgg	gagttcgaga	ccagcctgac	caacatggag	aatgccatc	1020
tctactaaaa	atacaaaaat	tagccgggca	tggtggcacg	tgectgtaat	cccagctact	1080
caggaggctg	aggcaggaga	atcgcttgaa	cctgggaggt	ggaagttgca	gtgagctgag	1140
atcacgccat	tgactccag	cctgggcaac	aagcgaaact	ctgtctcaaa	aaaaaagaaa	1200
agacagtagc	atatgttcat	gtcaagcacc	tctcatcaca	gtcgagttcc	aaggaaaaat	1260
tccagcgttt	tctgcattgg	gtgctgtgtc	atctgaaatc	ggcacattcc	atggaggaag	1320
gagtcctgct	ttgttgcattg	tatcctaggg	tttaattgtt	gtaaatgagt	cactctagca	1380
tttgtagaag	gctccctgag	actcctgcag	cagtcgacca	agcccaagga	cataattgaa	1440
tctggagagt	cctggggcct	tgttttgaaa	aagacttgaa	atacacatag	gaagaaaggc	1500
ataaaaaataa	atgttcactt	gtctctgctg	tgagtatgtg	ttccaacttt	tcagtgatgg	1560
ctttgagaat	tctcaaactt	gactggctct	aagtgtatct	ggtggctttt	gtatcgtaac	1620
ctgaaactgg	cttagtactt	tttctaaaa	gctcaggatt	tgagaatgag	gaccccttcg	1680
ccaggaaaac	atgtatacac	tcaaaatttt	gcttgcagtt	ctaggggtgt	tagacccttc	1740
tcagatacct	gtgcattctta	tgggttttgt	ttttctcttt	gagacagtct	caccctgttg	1800
cccaggctgg	agcgagtggt	cgtgatctcg	gctcattgca	gcctccacct	cctgggttca	1860
agtgattctg	cctcagcccc	ttgatcagct	gggattgcat	gcatgtacca	ccacaccg	1920
ctaattcttg	tatttttagt	agagatggag	acagagtttc	accatgtagg	tcaggagttc	1980
gagaccgg						1988

<210> 5046

<211> 1346

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (20)...(706)

<223> similar to gi2636482 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5046

ggtggtggaa	ttcgcggtatg	tggagaagaa	aggtgctggc	aggacagagt	tccgtaccc	60
ttcctatgtg	cagcacatca	tgggggacat	attctcccag	ggatttgggc	ctttccgctg	120
ggtgtgcaca	tcgggggacc	cccaggacct	ggcggtcaca	gacgaactgg	ccacatctgt	180
gctggaggaa	gccattgctg	atggagtga	ggtgtctgtg	aagctgcagt	acatggacaa	240
catccgctgg	atccgggagg	ccgcccaggca	ccggctgggtg	gtgggctccc	aggcaaggat	300
cctgtactca	gaccagaagg	gccgcgtggc	catcgctgtg	gccattaacc	aggccatcgc	360
ctgcaggagg	atcaaggcgc	cggtggctct	gagccgagat	caccatgacg	tgagcggcac	420
cgacagcccc	tttagggaga	cctccaacat	ttacgacggc	tctgccttct	gtgcagacat	480
ggctgtgcag	aacttcgtgg	gagatgcctg	tcgcgagacc	acctgggtcg	cccttcacaa	540
cggagggggc	gtgggctggg	gtgaggtgat	caacggggga	ttcggcctcg	tgctggacgg	600
taccccgagg	gccgagggga	gagccaggct	gatgctcagc	tgggatgtct	ccaatggtgt	660
ggcccggcgc	tgctggtcag	ggaaccagaa	ggcctatgag	atcatctgcc	agaccatgca	720
ggagaacagc	accttggtgg	tgacactgcc	tcacaagggtg	gaggacgagc	gggtgctcca	780
gcaggccctg	cagctctgag	ggagccagga	gtcgcggccc	ctgcctccct	tcctccctgg	840
cgatcctcac	ctgcccagcc	atggcacaca	cccttcctgc	acaccgcac	tacctgcact	900
tctcgcatat	cctcacgtgg	cccttatggt	gccctgtgca	gggtgccacc	acagcctcat	960
tttacagaca	gccccctgag	gccagagac	atgcagctct	ctgtccacaa	ccatgccact	1020
tgcatgggag	ccctgaaggc	tgtcaaagtc	catttagggc	caagtcccaa	gcctgcccgg	1080
gggccctgcg	gtgaacactg	gtcaagctct	ctccggctgg	gatgatcaca	ccctctgctt	1140

cctggccacc	tgccagcctc	catgcaactc	tgtctgtctg	ctgcccattc	gctgtctgtg	1200
caagcaactt	ctggaccctg	gcaccctggg	ctgctggcct	ggaggagttc	gggaaggagg	1260
atagaccagg	aaataaaggg	tcaacagagc	tgtgtgctgc	actgtgggct	ggtgggacgg	1320
ggcaggccgg	gtcttgctta	aggata				1346

<210> 5047  
 <211> 672  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (17)...(656)  
 <223> similar to gi2781386 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5047						
tcctgtggtg	gaattcgagg	cccacctggg	tgacaccttg	atcatcaagt	gtgacaccaa	60
gcagcaaggg	atgaccaagg	tgtgggtgac	accaagtaat	gaacgggtgc	tagatgaggt	120
gaccaatggc	acagtgagtg	tgtctaagga	tggcagtctt	cttttccagc	aggtgcaggt	180
cgaggacggt	ggtgtgtata	cctgctatgc	catgggagag	actttcaatg	agacactgtc	240
tgtggaattg	aaagtgcaca	atttcacctt	gcacggacac	catgacaccc	tcaacacagc	300
ctataccacc	ctagtgggct	gtatccttag	tgtgggtcctg	gtcctcatat	acctatacct	360
cacctcttgc	cgctgctggg	gccgggggtg	agagaagcct	tccagccatc	aaggagacag	420
cctcagctct	tccatgctta	gtaccacacc	caaccatgat	cctatggctg	gtggggacaa	480
agatgatggt	tttgaccggc	gggtggcttt	cctggaacct	gctggacctg	ggcagggtca	540
aaacggcaag	ctcaagccag	gcaacaccct	gccagtgcct	gaggccacag	gcaagggcca	600
acggaggatg	tcggatccag	aatcagtcag	ctcgggtcttc	tctgatacgc	ccaatttgtt	660
gtgagcagga	tg					672

<210> 5048  
 <211> 1732  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (320)...(525)  
 <223> similar to gi4235356 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5048						
tttttttttt	tttgcgaaag	aacagaagag	tataatgttc	aacatgcagg	gaaaaaata	60

acaatacata	tttcagaaat	aggagcagct	tcagtgcagg	cagtatcatg	gcagccactc	120
cacgggagga	acgggatcct	ctgccaaacct	tgtcagccac	tccaactaag	cagctgctgc	180
accaggtgtg	ttgctgctgt	ctttctaagg	gttcaagaac	atgggctctg	gggtcatatg	240
gcctgcgttc	acattccagc	tccattcata	gcctgcatga	cctttagcac	atgtcttggc	300
ttctctgcct	caatttcccc	atctcatgga	cctgctggcc	aaggacgacc	agaatggcga	360
ggcggaggcc	ttcaaggcag	agatcaagaa	gaccgacgtg	aaagaggaga	agaggaagaa	420
ggagctgaac	gaaatcttga	aaagcacagt	gagcagcaac	gacaagaaaa	ccaaaggccg	480
gacgggctgg	ccgcagcacg	tctgggccct	ggagctcaag	cagtgaggag	gaggagaagg	540
aggaggagga	gagcgcgagt	gagcaggggc	caaggcgcca	gatgcagacc	caggactccg	600
gaaaagccgt	ccgcgctccg	ctctgaggac	tccttgcatc	tggaatcatc	cggtttattt	660
atgtgcaatt	tccttccccct	ctctttgacc	ccctttgagg	catctgctcc	ccgtctcccc	720
ctccaaaaaa	aaagtggata	tttgaagaaa	agcattccat	attttaatac	gaagaggaca	780
ctcccgtgtg	gtaagggatc	ccgtcgtctc	atagattctg	tgtgcgtgaa	tgttccctct	840
tggctgtgta	gacaccagcg	ttgccccccg	ccaacctact	caacccttc	cagataaaga	900
cagtgggcac	tagtgcgttt	gtgaagtgtg	tctttaatac	ttggcctttg	gatataaata	960
ttcctgggta	ttataaagtt	ttatttcaaa	gcagaaaaca	gggccgctaa	catttccggt	1020
ggggtcggta	tctagtgtga	tccattcatc	tgtggctcgt	ccctctttga	agatgtttcc	1080
aacagccact	tgttttgtgc	acttccgtcc	tctaaaacta	aatggaattt	aattaatatt	1140
gaaggtgtaa	acgttgtaag	tattcaataa	accactgtgt	tttttttttt	acaaaaacct	1200
taatttttta	atggctgata	cctcaaaaaga	gttttgaaaa	caaagctggt	atacttgttt	1260
tcgtaatat	taaaatattc	agaagtaaac	taaattatca	tgattgcctc	taactttatt	1320
ttaaagactc	agtgggttcc	aaccagttca	ccctgacctg	cggcctacgc	agaagggagg	1380
gaggggtgctc	ttaaagagga	aggtgtcctt	gttacaaaat	cctgcaaatg	ggctctggggg	1440
tttgcgggt	gtgggtgtct	ccttccccctc	ttccccccag	ctgggggaac	ggctggagta	1500
ggtctctaga	aggaagatct	gggctggaga	acccagtccg	gcagttcgct	cagaaggtgt	1560
aaaggtgctc	ttggctttcc	tgaagtcaat	cagaagccat	ttcttgaggc	cgtcagtttt	1620
tgtttgagga	gtgtttctgg	tggaggagtt	gtgaggagaa	ccccggcatt	attgctgcaa	1680
cgggaactag	tctgggggtg	ttaattcaaa	ctatggggct	ttcatccaaa	aa	1732

<210> 5049

<211> 1223

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(365)

<223> similar to gil98609 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5049

gcctcacagt	acatcagcga	actcacacag	gggagaactc	ctttgaatgt	aataaatgtg	60
ggaaaacatt	ttactataaa	tcaggcctca	ctaaacatca	gagaaaacac	acaggggaga	120
agccctatga	atgcacagaa	tgtggcaaat	cttttgctgt	gaattcagtc	ctcagattac	180
atcaaaggac	tcacacagga	gagaagccct	atgcatgcaa	ggaatgtggg	aagtcctttt	240
ctcagaagtc	acattttatt	atacatcaga	gaaaacacac	agggggagaag	ccctatgagt	300
gtcaggagtg	tggggaaacc	tttatccaga	agtcacaact	cactgcacat	cagaagacac	360
acacaaagaa	gaggaatgct	gagaagtaag	atgagttggg	aaattctctt	gactgaatta	420
atccttcaaa	acaatcagat	aattcacaca	agaggtacac	cttatgaatc	gcatcaatag	480
agggaaat	tcagctacaa	tctttgctct	ctctgtgtat	cagcaaatac	atagagagat	540

tctgtacatt	tatttgggag	aaaatTTTTat	catatTTTTag	gcttttctaa	atattagata	600
atatagatgg	cagaagtcac	gcaaattgta	aaacaggaag	gaaacctttc	agaagtcata	660
cttttgtttt	gcaacataga	agtcacacag	gagaaaaatc	ctgtaagtaa	aacgaatgtc	720
atgacatttt	ctgtcagggc	agccagctgt	agacatccaa	aagctcacia	atgagaagct	780
ccttgagtat	ctagaaatct	ctttacacaa	ttggagctca	tgtactagag	aattcaaagg	840
gataactgca	aagacactgg	tagatataga	agcctttatt	aagaattgat	gtttcattca	900
atttcagatc	actggtactt	ggatagatat	tttaaattatt	tggaagggtg	tcaataaaaa	960
ttcaaataat	ttgtactgag	ggaaacagtt	atactacaaa	tcatgttgca	gatctgatgc	1020
cgagattgct	ctattttaaa	aggaaacctg	caaattgtcta	catatatgaa	gcttttaaaa	1080
agcacaagtt	atcaggcaac	atcattaaac	atacattaaa	tgtctgttag	catataggat	1140
tttgtgcgta	tgtgagtgtg	ctataacatg	taacttgccg	atgttcagcg	tgcattgtgga	1200
atccatccat	aatggtacat	agc				1223

<210> 5050

<211> 2763

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (22)...(1090)

<223> similar to gi5630077 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5050

ccatatccat	gtggtggaat	tcacacaatt	ggtcagctgc	ttccacagca	gatgcaagca	60
ttccattctc	ctaaagcact	cttccctgtg	ggctatgaag	ccagccggct	gtactggagc	120
actcgctatg	ccaataggcg	ctgccgtac	ctgtgtcca	ttgaggagaa	ggatgggcgc	180
ccagtgtttg	tcatcaggat	tgtggaacaa	ggccatgaag	acctggttct	aagtgcacac	240
tcacctaaag	gtgtctggga	taagattttg	gagcctgtgg	catgtgtgag	aaaaaagtct	300
gaaatgctcc	agcttttccc	agcgtattta	aaaggagagg	atctgtttgg	cctgaccgtc	360
tctgcagtgg	cacgcatagc	ggaatcactt	cctgggggtg	aggcatgtga	aaattatacc	420
ttccgatacg	gccgaaatcc	tctcatggaa	cctcctcttg	ccgttaaccc	cacaggttgt	480
gcccgttctg	aacctaaaa	gagtgcacct	gtcaagaggt	ttgtgttaag	gcctcacacc	540
ttaaacagca	ccagcacctc	aaagtcattt	cagagcacag	tcaactggaga	actgaacgca	600
ccttatagta	aacagtgttg	tcaactccaa	tcatcgcatg	accggaagat	gaaaactgaa	660
tggaatcca	atgtgtatct	ggcacggtct	cggattcagg	ggctgggcct	gtatgctgct	720
cgagacattg	agaaacacac	catggtcatt	gagtacatcg	ggactatcat	tcgaaacgaa	780
gtagccaaca	ggaaagagaa	gctttatgag	tctcagaacc	gtggtgtgta	catgttccgc	840
atggataacg	accatgtgat	tgacgcgacg	ctcacaggag	ggcccgcagg	gtatatcaac	900
cattcgtgtg	cacctaattg	tgtggctgaa	gtggtgactt	ttgagagagg	acacaaaatt	960
atcatcagct	ccagtccggag	aatccagaaa	ggagaagagc	tctgctatga	ctataagttt	1020
gactttgaag	atgaccagca	caagattccg	tgctactgtg	gagctgtgaa	ctgccgggag	1080
tggtatgaact	gaaatgcatt	ccttgctagc	tcagcgggag	gcttgtccct	aggaagaggc	1140
gattcaacac	accattggaa	ttttgcagac	agaaagagat	ttttgttttc	tgttttatga	1200
ctttttgaaa	aagcttctgg	gagttctgat	ttcctcagtc	cttttaggtta	aagcagcgcc	1260
aggaggaagc	tgacagaagc	agcgttcctg	aagtggccga	ggttaaacgg	aatcacagaa	1320
tggtccagca	cttttgcttt	tttttctttt	ccttttcttt	ttttttgggt	ggtttttggt	1380
ttggtttttc	ccttgggggg	gggtttcatt	gtttgggttt	tctagtctca	ctaaggaaaa	1440
acttttactg	gggcaaaaag	ccgatggctg	ccctgccccg	ggcaggggac	ttcctatgaa	1500

tgtaaaactg	aaatccccac	cgagggggac	agaaagtgct	gccacggcc	ttattaaaaa	1560
ggggcaggcc	ctctaacttc	aaaatgtttt	taaataaagt	agacaccact	gaacaaggaa	1620
tgtactgaaa	tgacttcctt	agggatagag	ctaagggata	ataacttgca	ctaaatacat	1680
ttaaatactt	gattccatga	gtcagtttat	tgtagttttt	gatttctgta	aaataagaga	1740
aacttttgta	tttattattg	aataagtga	tgaagctatt	tttaaataaa	gttagaagaa	1800
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aaatattttg	agaaaaaata	cagtataaaa	atagttattg	accaaagtgt	accaggctct	1920
gcagcagctc	gggggcttat	aaaatgttca	tagggatgtt	acaatataat	tttgtgttat	1980
aaaatatgcc	attataatta	tgtaataacc	aaaatttcaa	cctagagtgt	tgggggtttt	2040
ttggaaaccg	cagtctatta	gtactcaatg	gttttataca	ccttacttct	gacagagcgg	2100
ggcgtatgct	acgactacaa	cttttatagc	tgttttggta	atttaaaacta	attttttcat	2160
attatatgtt	tgcatcccta	cttcttcagt	cagggtttttt	tgtgcttaca	atttgtgata	2220
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gtagttttga	ttagaacttt	gtttcagcca	cagagaatca	tgtaaacgta	ataggatcat	2340
gtagcagaaa	cttaaatcta	acccttttagc	cttctattta	acacaaaaat	ttgaaaaagt	2400
taaaaaaaaa	aaggagatgt	gattatgctt	acagctgcag	gactctggca	atagggtttt	2460
tgggaagatgt	aatttttaaaa	tgtgtttgta	tggaaactgtt	tgtttacatt	tctttaataa	2520
aaaaaacact	gttttggtgt	tgcttgtagg	aaacttaatc	accattttga	accagggttag	2580
ctttttattt	tggtacttaa	aattctggta	ctgacacttc	acaggctaag	tataaaatga	2640
agttttgtgt	gcacaattca	agtggactgt	aaactgttgg	tatattcagt	gatgcagttc	2700
tgaacttgta	tatggcatga	tgtattttta	tcttacagaa	taaatcaatt	gtatataaaa	2760
aaa						2763

<210> 5051

<211> 1853

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)... (1011)

<223> similar to gi5052516 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5051

cgcccgctc	gacatgagct	tgtccgtcag	ctggtagctt	tcattcgtaa	aagagataaa	60
agagtgcagg	cgcacgaaa	acttgtggaa	gaacagaatg	cagagaaggc	gaggaaagcc	120
gaagagatga	ggcggcagca	gaagctaaag	caggccaaac	tggtggagca	gtacagagaa	180
cagagctgga	tgactatggc	caatttggag	aaagagctcc	aggagatgga	ggcacggtag	240
gagaaggagt	ttggagatgg	atcggatgaa	aatgaaatgg	aagaacatga	actcaaagat	300
gaggaggatg	gtaaaagacag	tgatgaggcc	gaggacgctg	agctctatga	tgacctttac	360
tgccagcat	gtgacaaatc	gttcaagaca	gaaaaggcca	tgaagaatca	cgagaagtca	420
aagaagcatc	gggaaatggg	ggccttgcta	aaacaacagc	tggaggagga	agaagaaaat	480
ttttcaagac	ctcaaattga	tgaaaaatcca	ttagatgaca	attctgagga	agaaatggaa	540
gatgcaccaa	aacaaaagct	ttctaaaaaa	cagaagaaaa	agaaacagaa	accagcacag	600
aattatgatg	acaatttcaa	tgtaaatgga	cctggagaag	gagtaaaggt	tgatccagaa	660
gatactaact	taaatcaaga	cagtgcacaa	gaattggaag	atagtcacca	ggaaaatgtc	720
agtgtcacag	agatcattaa	accatgtgat	gatccaaaaa	gtgaagctaa	aagtgttcct	780
aaacccaaag	gaaagaaaac	caaagatatg	aaaaaacctg	tcagagtacc	tgctgaacca	840
caaacaatga	gtgttcttat	cagctgtaca	acctgccata	gtgaatttcc	atctcggaat	900

aaactttttg	accatctaaa	ggccacaggt	catgcaagag	caccttcac	atcgtcttta	960
aacagcgcaa	caagtagtca	aagcaagaaa	gagaaacgta	aaaacagata	gagattctgc	1020
ctgtgctttt	gtttgactgt	ctctagattt	tgaaaccaa	aaactgaact	gaaatcatct	1080
aaagagttaa	aatttcagtg	atctgcaatt	aattacattg	tggaagatta	ttttttatct	1140
tgtaaaaaaca	cttttttggt	ttaatatata	tttttaaaac	atttcactag	tgattgaatt	1200
ctacttttgc	catctgaatt	gacttgaatg	tcttaaaaca	ggtaaatact	gtaaagtgtg	1260
tattcttgat	gtttattggc	tcattgtggc	agaaatgtac	agggagaatt	acattatttt	1320
aacacacaga	agtgcactt	tctgctttat	tttctgaatt	tcacattact	tttacttaat	1380
gcttttgtgt	tttgtaata	cttcataata	tgtgaaaaac	tcggatcttt	taaaaagcat	1440
catagatcat	ttttccatat	gacactgggt	ccgattttta	aaattatttt	taaataaccg	1500
attattgatt	actgtatttt	ttttctcaag	aacagtgata	ggtagaaact	aattgaacat	1560
ttggtagtct	ttcaagaata	gtgtctcttc	aagggtttac	ttgattta	ttgatatttt	1620
actggtttac	cagtaagggtg	tattgttcag	ttttttgctc	cgatttgaat	tgtggagggtg	1680
gaagcaaatt	agtttacatg	gcattgtctc	cctaggcaca	gtgacagctg	taaagtatga	1740
cggaacaagg	tagcagatgg	tacagaattt	atctatttta	agaagagatg	tggcggttctt	1800
cattgagttt	ttttcttcac	tattttcaga	agtttttggt	cttttttttt	tcg	1853

<210> 5052

<211> 2039

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (88)...(735)

<223> similar to gi5911875 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5052

atccgccaaag	cttggcacga	ggcctcgtgc	catgggtctgg	ctgcactcag	tccctcaagc	60
aagggctcca	tggaggctgg	cccttacctg	ccccgagccc	tgcagcagcc	tctggaacag	120
ctgactcggg	atggggcggc	cctggaggag	ctcctgaggg	aagctggggc	tgagctcagt	180
tctgagtgcc	gggccccttg	ggctgctgta	cagctgctcc	gggaacaaga	ggcccgtggc	240
agagacctgc	tggccgtgga	ggcgggtgcg	ggctgtgaga	tagatctgaa	ggagcagggg	300
cagctcttgc	atcgagacct	cttcactgtc	atctgtggcc	gaaagaagtg	ccttcgccat	360
gtctttctct	tcgagcatct	cctcctgttc	agcaagctca	agggccctga	aggggggtca	420
gagatgtttg	tttacaagca	ggcctttaag	actgctgata	tggggctgac	agaaaacatc	480
ggggaacagc	gactctgctt	tgagtgtggg	tttcggcggc	ggcgtgcacg	agaggcatac	540
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ctcactggaa	gaggtgaggg	ccaggggtgt	gggggggtgg	ccccaggagt	gaagaccttg	780
acaatgagga	tacaaagggg	aggtatgggt	gaaagtcagg	aaaggcatct	cgtcccaaaa	840
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aatttccctg	gcttcccctt	cagccccaga	aacacttgac	tcttctggag	atgtgtcccc	1140
aggaccaaga	aacagcccca	gcctgcaacc	ccccaccct	gggagcagca	ctcccaccct	1200
ggccagtcga	gggatcttag	ggctatcccg	acagagtcac	gctcgagccc	tgagtgaccc	1260

caccacgcct	ctgtgacctg	gagaagatcc	agaacttgcg	tgcagcttct	cctctcagca	1320
cactttgggc	tgggatggca	gtggggcata	atggagccct	gggcgatcgc	tgaatttctt	1380
ccctctgctt	cctggacaca	gaggaggtct	aacgaccaga	gtattgccct	gccaccacta	1440
tctctagtct	ccctagcttg	gtgccttctc	ctgcaggagt	cagagcagcc	acattgcttg	1500
ccttcatacc	ctggaggtgg	ggaagttatc	cctcttcctg	tgctttccca	tcctgggcca	1560
ctgtatccag	gacatcactc	ccatgccagc	cctccctggc	agcccatgtt	ctcctctttt	1620
ctcaccctct	gactttccct	gagaagaatc	atctctgcca	ggccaactgg	agtccttggg	1680
gactccattc	tgaggtgtca	caagcaatga	agctatgcaa	acaataggag	gggtgtgacag	1740
gggaaccgta	gactttatat	atgtaattac	tgttattata	atactattgt	tatattaaat	1800
gtatttactc	acactttgcc	tctaaggagc	tagagtagtc	ctctggatta	aggtgataaa	1860
taacttgagc	actttccctc	aaccagccct	taactagaac	acagaaaata	aaaccaagac	1920
tgggaaggtcc	cctctacccc	tcccaggccc	agagctagct	gactgtgtat	gagcctggga	1980
gaatgtgtct	cctccacagt	ggctcccaga	ggttccacac	actctctgaa	gctccttct	2039

<210> 5053

<211> 3123

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(742)

<223> similar to gi5912134 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5053

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gctccttcat	gtcactgga	gtccccaccg	tgggtgcttg	caagtccctca	gcgtccccgg	180
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ctaaaccatc	cctcacccta	acccaatcct	cgccttaacc	ctaagtctaa	ccccctgacc	900
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gctggcagct	gtgggtgagt	gaggaggctc	ctctcatgaa	gggccctggg	gaagtggaaat	1440

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ctcagctcct	gggggtgggga	ggggagacct	cgccttctgc	ctgcagcgac	tcccacctgt	3120
cac						3123

<210> 5054

<211> 1493

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (961)...(1212)

<223> similar to gil872200 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5054

gccccatgact	acgccaaact	tggcacgagg	cctgagtcct	ttgagcacct	gccacctctc	60
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cagaagcctg	agctcaaagt	gaaacggggt	ttcagaccca	atggcattgc	cctgacttgg	180
aatataacca	aatcaatcc	caagtgtgct	cctgtagaaa	agctaccacc	tcttctctgt	240
tcatgagaac	tctaataata	agttgatttg	gaagaagatt	ggagaaatta	aagctttacc	300
actccccatg	gcctgtactt	tatctcagtt	tttagcttcc	aacagatact	attttactgt	360
ccaatcaaaa	gatatttttg	gacgatatgg	accattctgt	gatataaaat	ctatccctgg	420
gtttttctgaa	aatcttacgt	aaaagggtgt	taataatgat	atactacttt	ttttttcata	480



tttgtttgtt	tgcaatgtta	ctgtaatact	atttgccatt	gtaaaaggcc	agctcagatt	540
gtgagccctt	tctattggga	cagtccctct	ctatatgttt	taagtggcca	gtaatttaat	600
gaattttctgg	tttgtattaa	atatgtcctt	ccaatggata	agttctaaaa	catacgctat	660
cattggccca	tgttgctgag	gtgcattgtg	aacaatacct	ttagtgactg	tggaactgct	720
gcttctatca	gaagacctag	gatacaagca	gccactgttt	cctccgttaa	caatcagctt	780
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atcatttggg	gaaatagcct	ggaggtcttt	cctgaatctg	ttttagtaga	taataaaatt	1380
tgtgtgctgt	gtacacaaaa	acataatgta	tcttatgaaa	gcattacca	acctgtttga	1440
gttgagaatg	atttggccca	ccttagattt	gaggctttag	ttggctgatt	tcc	1493

<210> 5055

<211> 3886

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3887)...(418)

<223> similar to gi4468339 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5055

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aaccagagag	ttttgtgtgc	agaagcattt	tgtttaactt	agggccatca	ccacattatg	120
aactcgtgtg	tgtgtgtgtg	tgtgtgcacg	cgcgcgtgca	caggctagt	tccttctgtg	180
ggtgtgtctg	cgtgaggacc	catccatgca	tgtttgatct	ttatggcctc	cccctgtgca	240
cctgcgccta	tggataaggt	atagtcttgt	cttgattccc	agtattcatt	ctccttgaag	300
aatcctgaca	gccttcagtc	accttccctt	ttccagtcct	ccaaaagcaa	tggcgcctta	360
aatgtgcggt	aaggatgagg	tgagtcttga	ggtagcctag	gccacagctg	ccccttcaag	420
gcaaggcctc	agctgagttc	aggaaatagg	agaacctggc	cccggagcaa	ccccagaagc	480
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catggtcaca	gtagccccta	ctgcacgggg	acacgcaggt	gaagccgctc	tgggggctgt	720
agaccaggtc	gtagcccttg	tagccatcgc	atctgaagta	agccttcagc	gtgctcacgt	780
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aaatgatggt	ctgggaggtt	gtgggggggtg	gtgatgtggc	tgtgcgtctc	ccaccgtctg	3840
tcttcagtga	cgggtgtgtc	attcctgatg	tttccatctt	cagagg		3886

<210> 5056  
 <211> 1543  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (17)...(528)

<223> similar to gi18218 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5056

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ctttgacttt gatcttgaag ttaaaccagt gttagaagtt ttggtgggga agacaattga    120
gcagtctctt ctggaagtaa tgaagaaga agagctggct aacctgcggg ccagtcagcg     180
tgagtatgaa gaactacgga atagtgaacg tgctgaagtt caacgacttg aagagcaaga     240
gaggcgacac cgagaagaaa aagaacggcg taagaaacag cagtgggaaa taatgcacaa     300
gcacaacgag acatcacaaa aaatcgccgc ccgagcattt gcacagcggt acctggctga     360
ccttctcccg tctgtttttg gcagcctcag ggatagtggc tacttttatg atcccattga     420
aagagatatt gagataggat ttcttccatg gctaataaat gaagttgaaa aaaccatgga     480
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gctgtgtatg tatgagcatg gggaagacac acatcagtct ccagaacccg aggatgagcc     600
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gtcacagaca cgggagctgc ttttagatgg aggtaccta caaagaacaa catatgacag     720
aaggtcatcc caggaaagga agtttatgga agagagagaa ctcttagggc aagatgaaga     780
aacagcaatg aggaagtcct taggggagga agaattgtca taggagggaa gcttcaaagt     840
catgaaacca atcaacagcc aagtcagcaa gcaatcaggt aatgatgtgc gactcccctc     900
aggttataga aattatgttg tatttagtca gtatgtcttt ttgtgtaatg gactgggcca     960
atcaaattgt ataaaattaa tttgagaatg aaacttaaat tgaattcatt tatttaatag    1020
aatattcaaa ggctatattg taattctaag gagaattata ttaattact agctttctat    1080
taccattata tgtaaccagc aaatatatatt ttcttagacc cttctaattt tgcggggttag    1140
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aaatttggtg gggggggggg cgcattgctg taatccagc tactcgggag ggtgaggcag    1440
gagaatttct tgaaccggg aggcggaggt tgcggtgagc caagtttgca ccattgcctt    1500
ccagcctggg caacaaaagg gaaactccct ttcaaaaaaa aaa                      1543
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<210> 5057

<211> 2279

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1678)...(905)

<223> similar to gi5902376 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5057

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aaaatatgat ataatttaaa ggtatcagta ccataaatct gtatcttaca gtaggaaatg     120
taagagtaaa cagcctatat acactttgta ctactgacac aattttatgt atacaactct     180
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atacagtatc	tactaatctc	cagaaaaccc	acctacaatc	catctgtctg	ggactgtggg	240
caagtggggt	ctttctgaga	tcagggtctc	actctgtcac	ccagggttga	ctgcagtagt	300
gcaatcatgg	ctcactgtag	ccttgacctc	ctgggctcaa	gtaatcctcc	catctttgcc	360
tcctgagtag	ctgggactac	aggtacacac	caccatgtct	ggatacattt	tgtatttttg	420
gtagacaccg	ggtttcacca	tgttgcccag	gctggcctca	aactcctggg	ctcaagtgat	480
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actgtggaca	agttttacaa	ataaaccaaa	ataaaaatat	tctcactttt	cagctgcaca	600
tggtggaaat	gtacatgtat	gatgacaaag	tcggagatat	ttattacgct	gaagacattt	660
aactttgttc	catgccagcc	atgagtgaca	acgctagaga	ttccaaatgg	ggaaaggatc	720
ctctacagac	ggctttgttt	aaaatggtta	caagaaacat	atggcagttt	ttaaaatcag	780
attccatttt	ctctatagat	tccattcgcc	aagtgccag	gcctgcctgc	caaccgtctg	840
caaacatgag	agccaagttc	aacaccttca	tgatagcttc	tttcacaaag	ctgacctttt	900
ctctcagcag	acaccggtca	tggatggttg	acagatacct	atagtgaatt	ttaatcaatt	960
gatctaaatc	cttggcttcc	tcgacttgat	gttgaaactc	cagccctgta	ctgtgtagaa	1020
tcctgggtcat	gatgtagttg	tgcaagctgt	tcacgaaatg	catgagcttc	actcttaaga	1080
ggaacatgcg	atgaatctgc	tgtcttactg	gttctttttg	tggtccgaac	tgagcaactg	1140
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cacaaaaaag	taaaacatcc	agactatatt	ttgccactt	tatttgcaat	aagagaagaa	1260
acacttgatt	ataaattttt	tgacattcca	aacttataac	aatgtccacg	ggccatggga	1320
ccttgtagct	gagggtcaga	ccatctaaga	tatgaacagg	cagcttcttc	ttagctgtgt	1380
caacattttc	aaaagatata	gatagacgtg	aactatcttc	aggataacgc	tgtcctactg	1440
cttcttggag	ttggacatta	agaaaagaca	cattctgcca	tgtttccttt	tctcttattt	1500
tatcaaaaat	tgacgtgtag	aagtcataca	tggatctccc	tccttccatt	aagaaaaaat	1560
tcctcatagc	ttgcaagtat	tctaccaacc	tgtaatcttt	ttttagagtt	tgcatgagat	1620
ttccacagca	atctagatac	tgcttgtcaa	tatgaggata	gaggcaggat	ctcagcgtaa	1680
attcaaaaagt	ctggcatgtc	acagattccg	atgatctatc	cacacataca	tcaccaccag	1740
caaacttctc	gtgaaagtca	ctctgtctca	aatacatcct	tgcaaagtta	atggcaagca	1800
gtggatcatg	aacatcatcc	agttcaagat	ggctttcagc	aatggactgc	atcttcatca	1860
ggttctcctt	ggttgcctgt	tgctcagtaa	gaacctgtgg	agtggaatct	tctccatgtc	1920
gaagacggga	ctgtacagat	tccagaaaga	gagtgtataa	actttttctt	tctgcatctc	1980
tggctcctgc	ctggcagggtg	gtgctctccg	cacactgcag	gttcttcagc	agctgcatcg	2040
acttgccagc	cattatgatc	tgcttcagga	caggtttgag	gaaggacacc	atgggtgtgct	2100
gcctgctgga	gggcccttgg	tactgcccgg	aactcgcact	agcgttatca	ctcatttttt	2160
cttcattttc	tgtcttttct	gatacgctat	ataacgtgta	agttgcatac	cagaagtctc	2220
tgtgattaac	tggaaacattt	ttgtttctct	ggatgatgaa	ctccctggcg	ccatcccac	2279

<210> 5058

<211> 646

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(321)

<223> similar to gil850831 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5058

cgttggactt	ggattatcaa	aagtggagca	gttccagcta	tccatttcca	cggaagtcaa	60
gaaaagtatt	gacatacctt	gcaagatatc	gagcacaagg	tttgaaacag	atgtcattca	120

ctggtaccgg	cagaaaccaa	atcaggcttt	ggagcacctg	atctatattg	tctcaacaaa	180
atccgcagct	cgacgcagca	tgggtaagac	aagcaacaaa	gtggaggcaa	gaaagaattc	240
tcaaactctc	acttcaatcc	ttaccatcaa	gtccgtagag	aaagaagaca	tggccgttta	300
ctactgtgct	gcgtgggatt	acaccatact	agaactgttg	aaacaacatg	cacaaaatcc	360
cctcccaggg	tctgtgcca	ccacatcctt	cccaacaggg	gcaaccacag	ccagtcccca	420
gctgggctcc	cagactcagg	ctcgccttct	ctgaggctct	tccggggctt	tccaggaagc	480
tgttatgggt	tataccttcg	ttcccacctg	atcccaggac	ttgtgctcca	gaatctttat	540
ttgacactgt	ttcttaatgc	attaaagact	tgtctgggga	ctgagagAAC	ataggtcgtg	600
ccactgtcca	tcatatcacc	acctagagac	ttccagtaag	tagcaa		646

<210> 5059

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (469)...(273)

<223> similar to gi2266432 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5059

tttttttttt	ttagctcatc	agctatcgtt	agggtatttt	atgtggccca	agaaaattct	60
tcttcaaagt	tggcccaggg	aagccaaaag	tttgacacc	tgtgatttac	aggttatgcc	120
tagatctgaa	acagatcccc	atccctccta	aagctgccca	ctggttatgg	gccctgtttc	180
tcttagaaac	accacacaca	tcatttgga	aaagcacact	gagtagaaac	atggcctgaa	240
agggtgggtg	gcggtggacc	tggcttcctg	tggccagagg	tcagcggacg	atagaaatgg	300
tctgatcggc	cacagcaaag	actggggaag	attgggcccc	gggaaggaca	cattgattgg	360
gcacagagca	ctgtgccgga	ggctggctca	tagaagagca	gctcctgaac	ctgcaagtcc	420
agcactacac	ccagctgggc	tgggccccgc	agcagcccca	ggggctcgtg	ctgcccattg	480
t						481

<210> 5060

<211> 1026

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1022)...(245)

<223> similar to gi4159885 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5060
catattcaaa ccatcttttat ttacaaaata ctatcctgag aactattatt ccattaaact      60
tcaatttgag caaaagtgca atcacttaag taatagcagt tacttaaact gaaaatgaga      120
tcagtcacaaa ttacttttga agaaagcaac aatattgtca ggtttcttgc tgtggttctg      180
gatgtccagt agcaggctcc tttgaaggcg gaatcaatcc tgaagggaac tcgcttctac      240
ctttagaatg tggggttggg gtaaaatcca ggtctcggat gaaggtaagg aggtaaaccc      300
ctcggtggat agatgtttct cattgcaaat ggagcatgtg gtggacctgg gaaatccctt      360
ggtggaaaat aacctcgaga agctccaaac atggttctctg gaggaggtgg ggggaaagga      420
ggtcctcttc tcatgaacgg gcccttgtta tccactggaa acaatggacc gctgattgga      480
gcaagaggtg gaggaataag gccagggccca gttgcttcat tttcagcagg gagagatgaa      540
tcaggcacat tttaaattacc aagatcatct ttggcatcat ttctactgga ttccatttct      600
gaaggcattg acctatccat tttatccaaa gaagtcattt taaaacttct gggttctgct      660
ggcccagaca gtctttcaga attagaataa aatctgtctt ccctttgtgg aggaagagtt      720
gaatcaggat atgattgccc tgggtggagga aacatcatcc tacggtcctg ttccaccgga      780
gatgacaggg acccagtgtc agaaggagcc ctgtgaggat cgattaacct gtcatagctt      840
ggttctcctc tttcattggt aatctgatgg tccaggggat tccctgggct gcttgggcct      900
cttcctcctc cccctggaag cacagggtgag agtctgagtg gatcctccaa caaagtttga      960
ggagagggaa aagctctcgt ttcagatgaa ggccgaccca atggtgatgg actagatggg     1020
caaata                                           1026

```

<210> 5061

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature-

<222> (14)...(205)

<223> similar to gil304434 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5061
tttttgggct ccgggacccc cgggagtggg agcggcagtc ggggacgcct caactcgttc      60
actcagggaa tcctgcccac cgccttctcc aggccgactt cgcagaacta ctgctccctg      120
gagcagccag gccagggcgg cagcaccagc gccttcgagc agctgcagag gtcccagcgg      180
cgcctcatct cccagagatc ttccttggag accctggaag atattgagga gaacgcccct      240
ctccggagat gtcgaactct ctcaggttca cccagaccaa agaattttta gaagattcat      300
tttatcaaga acatgcggca acacgatacc aggaatggca gaatagtcct tatcagtggc      360
agaagatcct tctgtagtat attttcagtg ctgccgtatc gcgacagtac ccaagtcggg      420
tatgtatatg catgcatgct ttgtagtctt ctgggtgaaa agatctcaca ccaatgtaca      480
taatgtggcc atcctttcca ttttcaagaa gttgccttgc tttgatactg caaattcagt      540
atttgtagac tggaatgata aaaagatggt cc                                           572

```

<210> 5062

<211> 881

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (116)...(643)

<223> similar to gi2792494 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5062

cgcggtggggg	ttttatatgg	acctttggaa	ggctgtttat	ttaccaaatg	gaagaaatcc	60
ttcattttctg	atttcgagct	ggcatcgtga	cacattttgga	cctcagaaag	actctttctca	120
agttgaggag	ggggatgatg	ttcttgacaa	attacttgaa	aacattggcc	atacaagtcc	180
tgaatgcctt	ttaccgtcac	agctaaatct	aaatgaacct	tccctaacct	catgtggcat	240
gaactatgac	caagagaagg	aaatcattga	ggtcattttg	cgccaaaatg	ctcaagagga	300
tgagtatatc	cagagtcata	acttcgattc	tgcaatgaaa	gtcaccagcc	aagggcagcc	360
ctccccagtg	gagcctcgag	gaccctttta	tttctgcagg	ttattgcttg	atgacttggg	420
aatgaattct	tgggacagaa	ggaagaattt	tcactctattg	aagaaaaatt	caaaattatt	480
gagagagctg	aaaaatttgg	actcccgcc	gtgccgtgag	acacacaaaa	tcgcagtgtt	540
ttacattgct	gaaggtcaag	aagacaagtg	ttcaatcctc	tctaataaaa	gaggaagcca	600
agcatatgaa	gactttgttg	ctggacttgg	atgggaggta	atgcatttca	ttcaggaggt	660
gtttattgac	cagcactgtt	taaagatgtg	tccaaactag	acattgtgta	agtttttaca	720
tgtgcttttg	cattcaaata	tagcatagat	agagtctctg	aattgaagaa	tttattggat	780
ttgacatctg	ttagttgctt	gtcagtattt	aatacatgaa	cttttgtttt	cctttaactt	840
tcctcttaat	attttttcat	ttgcttttta	tcagaactga	a		881

<210> 5063

<211> 2941

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (15)...(472)

<223> similar to gi4689112 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5063

tttgggaggc	tgaggatgtc	agtgggggag	gacccgcacg	ttcttaccga	gttggaggcc	60
tttgttacta	tctttctcct	cctgagtcga	tgggcgccat	ctttgaggat	cctgtccatg	120
tcgttggtta	tatcatcttc	atgttggggg	catgtgcatt	cttctctaag	acatggattg	180
aagtgtctgg	ttcctcagcc	aaagatgtag	ctaaacagct	gaaagaacag	cagatggtaa	240
tgaggggcca	ccgagatacc	tctatgggtc	atgagcttaa	taggtacatc	cccaccgcag	300
ctgcgttttg	cggtttgtgc	attggcgccc	tgctcagtgt	ggctgacttc	ctgggggcca	360
ttggatctgg	cactggaatt	ctgctagcag	tcactattat	ttaccagtat	tttgaaatat	420
ttgttaaaga	acaggccgaa	gttggtggga	tgggtgcttt	gtttttctaa	atgttcaa	480
atttcatttt	gtgcgtgtga	aagggaacac	actttgacgg	atcggttttg	tcagatgaca	540
ctggtggctc	cccttttctc	ccctcacagt	ttcttggttc	gagtgtgtac	tgaccggttt	600

ctgaaatggg	caccgagcta	agtctgtgtg	cagcattagt	acccgctgcc	ttaaaactca	660
agtttacatt	attcattaaa	aaaagtacat	ctagtgttgc	ctgtaatgct	ggaaaccagt	720
gtatctacct	tgctgtgtta	aatcatgaca	gtgagacggg	gagatggatt	cgttttgac	780
acaacattca	aaacatttca	tattgcccc	acttgttgaa	aaataaatgt	agttcaaatt	840
gccactttcc	agtatttttg	agcttattta	atgagttctg	gaacatttat	atctaattcta	900
tatttttagat	aattactttt	tatacttttt	taactcatgg	tatccccact	ccccaccccc	960
acctcatttt	tatttgtccc	ttctcaaagc	agccacttag	cccacatggg	cgaaatcaag	1020
tctccagtta	tttctgccac	aactgcttct	aaggcctcct	ccttctcctc	ctcctcttcc	1080
tcttctcct	tttcttcttc	ctcctcctct	cttcccagtg	acagcatcat	cgtgctgttt	1140
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tctgtagttc	agtgggggtg	aacaatgaat	atattcatgc	taggaatttg	tgtctgttgt	1320
tgtactcaca	gcagcaacat	gagtgtaaac	agtagacaat	aaacttttat	ttaagaaaac	1380
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aacaatatcc	cagtctccat	ttgaaagagc	atagatcttg	gtaaatcatt	ttgaaaacta	1680
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aagccaaata	atcgaggggc	aaggcagata	aaggcaggca	ggatagtgac	agtggctcgg	1860
tgagcatccg	ccaagggcct	cagaccactg	ttaccataaa	aacatccacc	cagtgttatg	1920
acgtccgatt	tttttttccc	ttaagaaggt	ggaaatatgg	cttttaatac	ataggaaacc	1980
ttcagttttt	aaatgcaggg	caaataaaca	tttttaaaaca	gtgccagcca	gactgccagt	2040
tctcaaacag	actgaatttc	caaagcacia	ccttttcatg	tttataaaaa	atagaaatgg	2100
catttaggga	tacattctag	gatttggctc	tgacttctaa	gttgactctc	taggaagaag	2160
gagaggataa	gcttaggtca	gctgcagagg	tcattcccat	ggggagtggc	tggggaggaa	2220
ctgggctatg	tggaaagact	gggctgcgcc	cgtctacgga	tgcttctctc	cttgatttca	2280
atgattgata	gcatgtggct	ttcagacctc	aggaagagtt	agagctttgg	agaatcacia	2340
tgctgtgat	tgaaatcagg	atttaaaaaa	gggttagagg	cataggggaa	ggctaccatt	2400
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gcattctggc	attagcactc	tgattttatc	tggagagccc	tttcatatgg	ttctcagggc	2640
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taaaagtcaa	cacaaaaaga	gctaaactca	ctcaagaagc	taagaaaatg	gcccagggaac	2820
actggtagaa	ctgctagatg	acagggtttc	aggcatggga	accagatcaa	tctgtacttc	2880
ttgctgtgaa	ctactctgta	ttgggtttca	ggtactggct	gatcttgcgt	gttctgttca	2940
t						2941

<210> 5064

<211> 3447

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3448)...(706)

<223> similar to gi5911875 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters



<400> 5064

ttcatgtgcc	catcggaggg	tacatatcag	tctatttttt	attataaaca	aataaaagat	60
taaatcacac	atcaaagacc	tagactcctt	ctctgagaca	ccaaaggcct	aacaaccagt	120
aagataattt	tagacaattc	tattgaaagt	tattcaaaag	gcatcaagtc	aaaataacga	180
aactgcccc	gtaaaaaggg	gctgggcctg	ggggccaggc	aaaggcaagc	atgagggcc	240
cagtagaggt	ggacctgtcc	ctatggtaac	tgagctcggc	tttaaggcca	ggcattgggg	300
atcagctgct	aggagcccac	ctgtgttctt	cctgaggggt	gggggcaccc	tagtcacttg	360
ccttagaggc	acatgggtcc	cccaccagcc	tacagcatgg	aaaacaccca	atgtctggct	420
ctagcctatt	cttaaccac	aaactgggat	tgggagctgg	ggacaggaag	aagggtcat	480
ggggccagga	gcctattcag	gctctacaac	cagacttccc	tagagaggcc	ccgtgccagt	540
tagtccaatg	gccacacaca	tcagaaaggg	tagtcaacag	cgttgcacat	gtagggtgga	600
ggtagcccag	gtgtcagcca	cacctgggtc	acagcagatc	cagagaggca	atgttccttg	660
gagctgcagg	ctgctggatc	tactgctcgt	ccagtcccgg	gctcagacac	agggtaagtc	720
ctccaggccc	ctaccaggg	cctgccttga	cacacagctg	ctgtcagagc	cactggagcc	780
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gcccagctct	gcctcagcct	ccagtgtctg	ttcctctggg	aagctgggat	acaggggaca	900
gcggagaccc	agaagagctg	ggtctctgta	caggtgcagg	ttgagggacc	ccagaacaga	960
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aaacggggct	acggcaatgg	acgcccagga	gcgaacttct	cggcacttca	ggacatagtt	1080
gacggtgcgg	tcgttgatgg	cttccctcgt	gggagcaatg	tctcggaagg	ccttgttccc	1140
cacacccatg	gacaccatct	cagccatgcg	cacctccttg	ttgtggacgg	cctgcctcca	1200
aagcaggtgg	gagatgtcag	ctgtccaggc	ctgcttgata	gccaggctgg	aggcctgcag	1260
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cccacagcac	tcagtgcagc	caaggtctgc	catcttgaag	gagcgcttgt	aggcaaatgt	1380
gtcaaccctt	gtgggcccct	ggcgaggctt	gctgaagagc	agcagctcct	caaaaaggaa	1440
gatgcggcgc	acggacttgt	ggcgcccagt	gcgcaccaca	aactcactct	gtcgcaccag	1500
ctgcccctgt	tccttgaggt	taacatcaca	gccctggatg	gcgtccatgg	ccagcaggtc	1560
gtttccgtgc	cgcagctgga	agtgcacaag	gctctggggc	tcccgcagcg	cactgagctc	1620
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gcggcactcc	tggcggtagg	cctctgagcc	cagccccgtg	gccagagccc	acatctttcg	2460
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tattcgctgg	ttgctctgca	gggtcagttg	gtgcagcaat	ccatccaccc	ggtcatatag	3000
ctcgtcagcc	ttgtccattg	ccgtcctgta	gtctgggctc	agggtaacct	ctgggacctc	3060
ttgcttcagc	catgtcagct	cccggccccc	ctggcattgt	agccatgcca	gccatggcga	3120
gtctagcacc	tgctgcacca	ggacctctgt	ctgctgtagc	agctgaccga	cctccccagg	3180
ctccatgggc	tggggcacag	ccttcacact	ttcgatggcc	ccctggagca	gggcacaagc	3240

tgcttggcag	ttctgtagta	gagcttccag	ccgccttcgg	aatccagcc	aggcctggtg	3300
gcagtaaggc	aggcctcctc	ctagcgaagt	gggcagcccc	gccgttgga	tgtgggtcag	3360
caggctctga	gaaggcaact	gctccagctg	cagcccggaa	ggcacttct	tcagcagcgt	3420
gcttcccact	agcagcacct	ggtacac				3447

<210> 5065  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (46)...(165)  
 <223> similar to gi2439972 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5065						
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gatgaggcca	cagcaagtgt	ggaccagaag	acagaccagc	tgctccagca	gaccatctgc	120
aaacgctttg	ccaacaagac	agtgtctgac	attgcccata	ggtatgtaaa	cgctggtaa	180
cagcctaate	agggactgtg	gtagcatgca	ccgagagcct	ccgttgcttt	cagggacccc	240
agtggtcagg	gccttagaga	tcctgcccc	ccagatctca	gtcctcctt	ctccaggagc	300
gagaagggtc	ctttatagca	ctgcctaggg	ccctttatag	cacattatct	gagggccctt	360
tatagcactg	cctagggccc	tttatagcac	attatctgag	ggactctgca	gtcccttccc	420
cagcaccaag	ccaggggcta	aagcctgtgg	ggacagacct	gtggtgt		467

<210> 5066  
 <211> 1229  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(579)  
 <223> similar to gi3599942 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5066						
gagaagcaga	gctgtaagag	ctgtggtgag	acctttaact	ccatcaccaa	gaggaggcat	60
cactgcaagc	tgtgtggggc	ggatcatctgt	gggaagtgt	ccgagttcaa	ggccgagaa	120
agccggcaga	gccgtgtctg	cagagattgt	ttcctgacac	agccagtggc	ccctgagagc	180
acagagaaga	caccactgc	agacccccag	cccagcctgc	tctgcccgc	cctgcccgtg	240
tcagagagcg	gtgagacctg	gagcgagggt	tgggcccga	tccccatgtc	agatccccag	300

gtgctgcacc	tgcagggagg	cagccaggac	ggcgggctgc	cccgacccat	ccctctcccc	360
agctgcaaac	tgagtgtgcc	ggaccctgag	gagaggctgg	actcggggca	tgtgtggaag	420
ctgcagtggg	ccaagcagtc	ctggtacctg	agcgctcct	ccgcagagct	gcagcagcag	480
tggctggaaa	ccctaagcac	tgtgccccat	ggggacacgg	cccaggacag	cccggggggc	540
ctgcagcttc	aggccctat	gggcgcagct	gctcgtgag	ctgagtctcc	cactgccctg	600
cacaccacca	cattggacct	gtgctgtcct	gggaggtggt	gttggaggcc	ccatgaagag	660
cgccctggac	tgctgagggt	gggccaacag	cccagagctc	aggacacttg	gctttggggg	720
gaaggaaact	gaggcccaga	gaggggcaac	cactggccaa	gggtcaccca	gcaagttttg	780
gctaagagcc	tggcctccag	ccccagcagt	gtggcccaga	gcaggggccc	actgccaaag	840
taaccatcat	ccatatgggc	cgtgtggtga	tgtggtggcc	gaaggcagaa	agaggcagca	900
tgggcactgc	cagggcacgc	cacatcctgc	tgggtctgcag	cgtggtccac	ccgcctctg	960
cccagcctgt	ctacaccgtg	tgagctgaat	cgtgacttgc	ttcccacctc	ctttctctgt	1020
cctctcctga	ggttctgcct	gcagccccca	ggaggtgggc	ctgccccatc	ctagctggac	1080
tcatggttcc	taaataacca	cgctcagaag	ctctgctagg	acttacccca	gccactgagt	1140
ggcaggcgca	tgagatttgt	ggctgttctt	gatgctagtg	gcacacagtg	cttatctgca	1200
taaataaaca	ctggccacca	aaaaaaaa				1229

<210> 5067

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (76)...(205)

<223> similar to gi2286147 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5067

ataggggagg	cgtggggcact	tgtagtgtgc	ttaggactga	tgtctgaatt	aactaaggga	60
acttgtcttg	tttgcagagt	gctgatggca	gagattggtg	aggatttggg	taaatctgat	120
gtgtcctcat	taattttcct	catgaaggat	tacatgggcc	gaggcaagat	aagcaaggag	180
aagggtgagt	ttcttctttt	ggttcatggc	cccaggagcc	tatcagaagt	gggagctact	240
cttggtgata	cagagagagg	gaagcaggca	gtctgccgcc	actatagtgg	gagtcagaca	300
tctcaggtgg	cttttaaaaa	acatgaatgg	gaagagaatt	ggtttatgaa	ttgaagaaat	360
aggattataa	catcttcttg	tgtgggcttg	gatggttctt	tcattccttg	aatttatcct	420
tgtttctgta	aaattcatag	gtctggctca	tatgagcttc	cctccctggc	ttgatgggga	480
tgtggggaag	acatcccatc	tgcttgtgct	gagggaaaac	aggag		525

<210> 5068

<211> 1065

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1067)...(869)

<223> similar to gi404650 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5068

ttttcacaca	tataaacaag	tttattagat	tgtcagtgat	actttgagac	aaattcaagt	60
tatttcattt	tacttcatat	aaacagagga	agggaggaaa	gttttaaact	tcaagctttg	120
ttcagcatgt	gtgcagttag	catccacaaa	agcaccattg	ggtatgggag	aattagcacc	180
acagaatttt	aggacctaac	tgtaacatg	catcactgaa	aaacttggaa	cataaaaact	240
gaagtagtac	gtggtatggt	ctattataaa	caatacaagg	caatttatga	tttgttctca	300
tacagtacaa	tacaatcaca	ataaatgaga	accttttaag	aacaatacgg	gacaaaaacc	360
accttgccac	ctgttaacac	taaagcagtt	acagatttaa	aaaaatgttt	ctggtaagag	420
gcagtgggtt	gaaattatcc	ctccccctc	aatttttaaa	ttcagagtta	tatagttaca	480
tgatctctta	agaaagtatt	ttcaaacta	tatgtctctc	tacctcaagg	ctgacaaatg	540
gtggtttgaa	aacgaaaggc	ttgatgaatt	aaaaaaaaca	aaacccaaaa	actggataga	600
gtcgaaaggt	acttcaatgt	ggtggaaatt	attcaacata	agatcagttt	ggaaatgatg	660
ccagtgggtg	tgatacttgt	cttcccttc	gtggaggaat	gtcaagtact	gaggccttgc	720
attcatgatg	aacttcagtt	catttctttc	accgaatgcc	tttattctga	ggtgtaacat	780
aagagattta	ttccttattc	ctcaactggt	tttgtagtat	catggggctg	ttccttatgc	840
ttgatttgac	aacagtgaag	aagggtgata	ttctctctgg	atttggggta	attgtgagc	900
ttcaggaaaa	ttccatattt	attagagccc	acatcaaagt	agaacctttt	attgtccact	960
ctgaaagaag	tccccctctg	gagttcaagc	gggtcatcgt	ctccacctct	tcgttcttgt	1020
atgtctcctt	cgccatagtc	ttcaatcaaa	aaaaccaagg	catca		1065

<210> 5069

<211> 974

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)...(484)

<223> similar to gi2992628 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5069

agcggccgcg	atgggtggcg	ccatggctct	gctctatgcc	agccggggcct	gctacaacct	60
gacagcactg	gccttgggccc	cccagagccg	gctggacacc	ttcgattacg	actggtacaa	120
tgtgtctgac	caggtgggca	tacgcatgtc	tgccacctcc	ttagtagccg	tggcaccttg	180
gccccagctg	gcctggggccc	ttgtcccact	accccttttg	cgtgactgca	gactggcacc	240
agcccctgcc	ttcccacagg	cggacctggt	gaatgacctg	gggaacaaag	gctacctggt	300
atthggcctc	atcctcttct	tgtgggagct	actgccacc	accctgctgg	tgggcttctt	360
ccgggtgcac	cggccccccac	aggacctgag	caccagccac	atcctcaatg	ggcaggtctt	420
tgctctctcg	tcctacttct	ttgaccgggc	tgggcactgt	gaagatgagg	gctgctcctg	480
ggagcacagc	cggggtgaga	gcaccagtat	gtcgggcagt	ctaggctctg	ggagctggta	540
tggtgccatc	gggcgtgagc	cgggctggta	tgggggcagc	cagacgaaga	ccactcctct	600
gctcttctcc	caggtgccag	gaccaggcgg	ccaccaccac	agtctctact	ccacccaca	660

gacgtgatcc	ccctccctcc	cccacagaat	accaggcccc	cagtcceccct	caccctaggc	720
ccctgtgcc	agtttgtctg	ccgcttcttg	cccaggatcc	tgggggtcgt	ggctaccccc	780
tcctctggcc	ggctccctgc	tgctcctgtc	atagtgaagt	tgtgccgtcc	ccctaggatg	840
gggggcatgg	ccctggctgc	cagatgcccc	cagcaccctg	gcatgacctg	ccacctctgc	900
ttccacaccg	gagccagcta	cctctcctgt	gcctgccact	caataaacag	tgtctgcgcc	960
ccacaaaaaa	aaaa					974

<210> 5070

<211> 2398

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2120)...(1639)

<223> similar to gi3881700 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5070

tttttttttt	ttagattatg	tatatgaaaa	ctaatttatt	aaacctctgt	acacaaagat	60
gaacatacct	gtatagcaag	catatatgaa	ggatgaagtt	acaaaaaagt	aaaagtatta	120
ctaaaattga	cacatgtaaa	tcacttacaa	aaatacccca	aatgggataa	agctgctcat	180
ccctgatttt	tctcatttgg	ttgtaggagt	tgaaacatga	atttaaaatg	gtagaatttt	240
ttcttttaaa	aagtgatata	ttaaacttat	atacaggata	attagcaaaa	tgtagaaagg	300
gaaaacaatg	tacaaaagac	agataaaaaac	catcactctc	gacggatagt	cacaatccaa	360
aaatagtata	aaccttaaca	aacctctctc	aaaccaggtc	atattcacat	ctccccccaa	420
gttttgtcag	tgagaataaa	atatactgaa	ctagtgaagt	cagtctttct	ttaaaatagg	480
cttgactttg	gaacatgaac	cttgataga	tttttaaaaa	tgggagggac	aaacaggaaa	540
accattctat	ctatccactt	aattagtact	aattaacgga	acaaagttat	taaatagctc	600
tcagtgtctaa	gtcaagccat	tattcagagg	cctttttgtt	tttctgctgg	tttcgggggtg	660
agttctttta	caagcttctt	atcctgaggt	acattccagt	agattctgcc	atattctcaa	720
attcaaatgg	cgtgattcca	gttgcaaatt	tgctcatgtc	aggtataggg	ctatgaattt	780
tagtggccgt	tgaaggactg	gtgtctgcag	gaaagagctt	ctggctgccc	ccattgctga	840
tgtcacagtt	tggtacgaca	ctgccattat	caagaagggc	accttcagt	tttaccggag	900
ccaactctgc	tttttccttc	tgacaaaagt	atgtcacctc	agagtctgga	ctggaggcat	960
gtccagcttc	tgatttcttt	gtaaaaatct	ctggctacctc	aggctcatcc	agcgtctgct	1020
tttcagatgt	ttttccctcc	gggacaggga	ggtctagctc	atttggaaca	ggtgatgagg	1080
caacggaatt	gcccagttaa	aggtgtgtcc	cacaggaacg	tcggaagtcg	ctgttttacg	1140
ctcctcgccc	tgctcaagag	ctgccccaga	tccgcctctg	ctgttccttc	ccagttcttc	1200
tagagtcagt	gcgtcctcat	cccacagctc	cagatgctgt	tctgggtctg	ggtgagtcac	1260
tgggagtcag	cggcggggtg	ccctttggga	gtggaggggt	gaagacgggt	ggaggagtgc	1320
cccgggggag	tggaggagt	tcaggaggta	atgggtggtg	aaactgaaaa	ctttcgctgc	1380
tctgagaacc	atgtggtacc	tccatatctg	aatcgagctc	catgtcggcg	ggagatcccg	1440
ctgagttgct	ttcattcttc	tgcttctttg	gactacctgg	gctagagtga	gatgaagacc	1500
tcttggtgcc	agacttcaca	cctggcgctt	ggaagttaga	agtaaggtaa	ttggcaaaaa	1560
catcctctctg	ctgacatgcc	tgcatgtgta	tggaaacaaa	gatcctccat	tcgtctggaa	1620
ttcctctggg	agtagatata	ttaaaaccag	gatagttgac	caattttgag	agatcgtaag	1680
tgacactttt	attctgttgt	atttctccaa	cttctgtttc	cccatcagt	ccatcttttc	1740
catcatagag	tgcaagcccc	gaattctcca	attcagcctc	tttgagccac	cctgggtgggt	1800
accctagctg	gcgcatccga	tagataaaag	gtggaagact	cttgtctgtc	acacctagtg	1860

catcttgaag	ttcctcacta	ataactcctg	gcttgaatct	tccaaatctt	tcttctactt	1920
cttctgcgtg	gtatcgctgc	tggaaattct	gattgtttgc	ttctccacag	gcattccatat	1980
actcttttct	cttttcactt	attcgagcag	cattccgagg	cattgggcaa	tctttcattt	2040
ggtgttcttc	agaaccacaa	ttgagacagt	gaggctttgg	cactgaaagc	ttccttggtg	2100
tttttaatgg	cacaggactc	ttccactttg	tggtcctcct	ctagcacaat	actggatggg	2160
ttgaaatagc	attgttcattg	aatagaatct	gtaatatagg	tccatctaac	ttagtatcgt	2220
tcaccaatat	tccactcggg	cgagtcagaa	tgctcaattt	tcgtttaagt	tcttgattct	2280
cggcgcgagg	ctgctcgatg	gtctcctcgc	actgccgaag	ccgctcccgt	agctccgcgt	2340
cgccgacccc	attttcgtcc	tcctagtcgc	cgctcgtcgc	cttgaagcga	gtacgaaa	2398

<210> 5071

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (103)...(605)

<223> similar to gi3395780 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5071

ttgctgccgt	ttaaagctgc	ttcagaattc	atcctagggg	agagtgcgct	gggacaagaa	60
accacccctt	ctttcaatgc	aatggctcgtg	aacaacctga	ccctccagat	tgtccagggc	120
cacattgaat	ggcagacggc	agatgtaatt	gttaattctg	taaaccacac	tgatattaca	180
gttggaacctg	tggcaaagtc	aattctacaa	caagcaggag	ttgaaatgaa	atcggaattt	240
cttgccacaa	aggctaaaca	gtttcaacgg	tcccagttgg	tactggtcac	aaaaggattt	300
aacttgttct	gtaaatatat	ataccatgta	ctgtggcatt	cagaatttcc	taaacctcag	360
atattaaaac	atgcaatgaa	ggagtgtttg	gaaaaatgca	ttgagcaaaa	tataacttcc	420
atttcctttc	ctgcccttgg	gactggaaac	atggaaataa	agaaggaaac	agcagcagag	480
atattgtttg	atgaagtgtt	aacatttgcc	aaagaccatg	taaaacacca	gttaactgta	540
aaatttgatg	tctttccaac	agatttggag	atatataagg	ctttcagttc	tgaaatggca	600
aagagggtcca	agatgctgag	tttgaacaat	tacagtgtcc	cccagtcaac	cagagaggag	660
aaaagagaaa	atgggcttga	agctagatct	cctgccatca	atctgatggg	attcaacgtg	720
gaagagatgt	gtaaggccca	cgcattggatc	caaagaatcc	tgagtctcca	gaacgaaa	778

<210> 5072

<211> 1824

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1825)

<223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (2)...(389)  
 <223> similar to gi4567180 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5072

ccagagacac	cacctggagg	tgcaccagcg	cagccacact	ggggagaagc	cctacaagtg	60
cggggactgc	tggaagagct	tcagccgcag	gcagcacctg	caggtgcacc	ggaggacgca	120
caccggggag	aagccctaca	cctgcgagtg	tggcaagagc	ttcagcagga	atgccaatct	180
ggcgggtgcac	cggcgtgccc	acactggcga	gaagccatat	gggtgccagg	tgtgcgggaa	240
gcggttcagc	aaaggggagc	ggctgggtccg	acaccagaga	atccatacag	gggagaagcc	300
ctaccactgt	cctgcctgcg	ggcgaagctt	caaccagagg	tccatcctca	accggcacca	360
gaagacccag	caccgccagg	agccgctggt	gcagtgcagc	tagcaggtgg	caggcagcac	420
catcattcat	ctttctcact	gcagggcctt	gcgggggtgca	aggtgatggc	tgcaggaaaag	480
cactggtccc	atgcgcttcc	cacccattcg	ccaacgcggg	aaaggcaagg	cctggcttac	540
ttagagcttc	cagagagcat	agctgcctcc	atctcttacc	caagtgggtg	ttaaacaattt	600
ttcttccaat	gtttgagggg	agcagtcctc	tgcggttcag	ttcaggtcga	gattttctcc	660
ttcagtggac	tgtctgtgtc	cccccgccga	acaaagctgg	gagtaaaggc	aaaaccttga	720
cacgtgttgg	tagctgggac	ctcatcttcc	tgagggtctc	gtcttgccctg	cagggtcata	780
gctcagactc	ttccccccacc	ccctctcttt	tccattgaac	aaacatttat	tgaacatcct	840
ctgagcacct	ggccgtggga	atgccgtggt	gaatgagaga	ctagacgtga	tgcctctggg	900
ggttgtgctg	tggggatgca	tgcgacagcc	catgaccoga	ggcattctca	gggtatctgt	960
gctgtgtgcc	cgtgagaaca	tcttcccatg	accactcctg	ccctcctgcc	ccgtgctgga	1020
tcttccctcc	ccagctggga	tctgctccca	ggcaactgtg	tgaattttac	attatttgga	1080
gcctcatctg	tgtcaggcta	taacattcta	tcctcatctg	taaaacttcc	ccgtccatta	1140
ttccttgac	tataacaact	gtcaacacac	caactattag	gaagttagta	ttttgctatt	1200
gatcactgaa	taaacatcag	agtattttta	aaaacagttc	tctagaaaga	actgttataa	1260
ttaaaatgag	tctgaaagat	gaactctagt	attaatgccc	tatatattgat	ggcactttat	1320
agttcataaa	attaatttca	ccccattctc	attggaccca	tttcccaagt	atttattgag	1380
gccctgtaac	aaacatgtca	ggaactcttc	tgggtgcttg	agacacatcc	atgaataaaa	1440
tagggggaga	agctgttgac	ctcgtaaagc	ttatgtctcg	tggatgtacc	tgatcttcag	1500
aaccctgga	tattcctgca	aatcctctgg	gcctgtatcc	attgctttgt	cagcatcttg	1560
ccctgaaatg	catttgtcac	ctacctcttg	ttactaaatg	gtctctgccc	tccagaccct	1620
tgtcatccaa	ggcactaggg	gtcctggaca	cccactgggg	atgatgagct	ggtagcnacc	1680
tgttttgcat	gagtgcgaag	tcaggaaaaa	taaagatatt	tgtaggcatt	aaaaaaaaat	1740
acatttcttt	aaaaatcgag	aagatgcaat	atttgtaaac	tgttgaagct	tccttattgt	1800
gccatcactt	aagggtttca	tttc				1824

<210> 5073  
 <211> 2399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(821)  
 <223> similar to gi31867 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5073

cttcaataca	gtttttagat	aatgcattta	ggaaaagggtg	gcaaactctc	ctctcagttg	60
atgaccttgt	ggagaaactg	gtcaagaggc	tggagttcac	tggggagctc	aacaacactt	120
acatcttcta	tacctcagac	aatggctatc	acacaggaca	gttttccttg	ccaatagaca	180
agagacagct	gtatgagttt	gatatcaaag	ttccactggt	ggttcgagga	cctgggatca	240
aaccaaataca	gacaagcaag	atgctgggtg	ccaacattga	cttgggtcct	actattttgg	300
acattgctgg	ctacgacctg	aataagacac	agatggatgg	gatgtcctta	ttgcccattt	360
tgagaggtgc	cagtaacttg	acctggcgat	cagatgtcct	ggtggaatac	caaggagaag	420
gccgtaacgt	cactgacctg	acatgccctt	ccctgagtc	tggcgatatc	caatgcttcc	480
cagactgtgt	atgtgaagat	gcttataaca	atacctatgc	ctgtgtgagg	acaatgtcag	540
cattgtggaa	tttgagctat	tgcgagtttg	atgaccagga	ggtgtttgta	gaagtctata	600
atctgactgc	agacctcagac	cagatcacta	acattgctaa	aaccatagac	ccagagcttt	660
taggaaagat	gaactatcgg	ttaatgatgt	tacagtcctg	ttctggggcca	acctgtcgca	720
ctccaggggt	ttttgacccc	ggatacaggt	ttgacccccg	tctcatgttc	agcaatcgcg	780
gcagtgtcag	gactcgaaga	ttttccaaac	atcttctgta	gcgacctcac	acagcctctg	840
cagatggatc	cctgcacgcc	ctctttctga	tgaagtgatt	gtagtaggtg	tctgtagcct	900
agtcttcaag	accacaccct	ggaagagttt	ctgggctggc	tttaagtcct	gtttgaaaaa	960
gcaaccagct	cagctgactt	cctcgtgcaa	tgtgttaaac	tgtgaactct	gcccagtggt	1020
caggagtggc	tgtctctggg	ctcttctctt	agctgacaag	gacactcctg	aggtctttgt	1080
tctcactgta	ttctttttat	cctggggcca	cagttcttga	ttattcctct	tgtggttaaa	1140
gactgaattt	gtaaaccctat	tcagataaat	ggcagtaact	taggacacac	acaaacacac	1200
agatacacct	tttgatatgt	aagcttgacc	taaagtcaaa	ggacctgtgt	agcatttcag	1260
attgagcact	tcactatcaa	aaataactaac	atcacatggc	ttgaagagta	accatcagag	1320
ctgaatcatc	caagtaagaa	caagtaccat	tgttgattga	taagtagaga	tacatttttt	1380
atgatgttca	tcacagtgtg	gtaagggtgc	aaattcaaaa	catgtcaccc	aagctctgtt	1440
catgtttttg	tgaattctag	gctgggtgctg	cactgaaata	gagcagtaag	cttgtgataa	1500
aggccaattc	caggtagctc	ttgaagggtga	tagccatcta	ctttccagtg	gctgccaaacc	1560
acagggagtg	ccagttaaca	ctggaaggat	taaggcaagg	tcccttctct	tgagactccc	1620
ctctgagatc	tgaaaaatga	agtggccttag	gaacatcagc	agtgaagaac	tgccaagagt	1680
tgggtgaagg	tgtctcttcc	gagggccttc	tgaagacagg	gctcttgaac	agacaagtgg	1740
aagggctgta	ccagggataa	aggaagaag	tgcctgtcca	gcagggagct	tgaatttaag	1800
ttccatgtat	gaagtcattg	gctctatctg	catttttctg	tcattctctt	catttgtttt	1860
aaggtggaaa	attttcttac	agttgatgca	aagtatcaac	tactttaccc	tacctctctc	1920
ccttttagat	gggttcttcc	tgagtttttg	agtcttgat	gattatcagt	attccccctg	1980
caaaatcaaa	tctattcagg	tttcttcact	gttgagaaca	cctaaatgtt	tttatttttg	2040
agaagtgggg	acagagtctc	actatgtcac	ccaggctgga	gtgcaatggc	atgatctcag	2100
ctcactgcaa	ccttcgcctc	ctgggttcaa	gcgattctcc	tgccctcgcc	tcctgagtag	2160
ctgggattat	aggcacacac	caccacgccc	agctaatttt	ttgtattttt	agtagagaca	2220
gagtttcacc	atgttggtcca	ggctggctct	gaactcctga	ccttgtgata	caccacctc	2280
ggcctcccag	agtgtggga	ttacaggcat	gagccaccac	gcttggttaa	gaacacctaa	2340
atttttatgt	ttcttggtc	aaaaaccagt	tccatttcta	atgttgtcct	cacaagaag	2399

<210> 5074

<211> 2799

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2800)...(697)



<223> similar to gi5817149 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5074

aggaaaaatg	tcattttatc	aaaatatgaa	atthttattat	aattgatgtt	taatgcaatt	60
cacttttacga	aggtttttgt	ggttttccct	aaaattttctg	ttttaatgaa	ggctcctgat	120
catcctggat	gtcgacaagt	tttcttcttc	atgtgacgtc	tctgatgcac	aataaactga	180
ttagtttttc	taaaactgat	tatattcata	gggtttcatc	tactctaac	ataaagttta	240
agctaaacta	cgtccattta	actaataagc	caaatttgta	agagcttaac	agactataaa	300
cttaactctt	gcttttaaagc	aacaaaaaca	aaacctgat	gaagacctgg	aagtgaattg	360
ttcgtttttc	agactctagc	ttccttgacc	ttgtgtctta	tggttttgaa	cacacaggac	420
ccaagtttgc	tgcagaaata	acctccaaat	ccatcttatg	aaccaggaag	actgtgaggg	480
tttttctttt	ttttttttaa	gggccaaagg	taaatgtaat	atthtatcatt	agcaccacat	540
cccattggtca	gccccacctg	aataaacggc	atattgggat	ttttccacaa	actatgagcc	600
taatgaaaaa	ggaaatggat	aagggaaaca	agttcccagc	ctatgtcaca	tgagtttctg	660
cactatgtgt	tatgtggtaa	ggtatgcatt	ccctcaggac	ttcccaaata	cattacatgc	720
tagggttttc	tctctggtat	gcattctggt	gtgatgtacc	ctaagagctg	ccttacggac	780
aaaagttttc	ccacattcat	cacattcata	gggtttctcc	cctgtgtgaa	ttctctggtg	840
tactctgaga	gttgaatttt	gggcaaaagc	tttcccgcat	tcattacact	catagggttt	900
ctccccgtg	tgaattctct	ggtgtgcact	aaggtgtgat	ttctgggaga	acgttttccc	960
acaatcatta	cattcatagg	atttctcccc	tgtgtgaatt	ctttgatgta	ctctgagggg	1020
tgaattatgg	gcaaattggc	tcccacatac	attacattca	tagggtttct	cccccgtagt	1080
aactctctga	tgtgactaa	catatgactt	ctcagagaag	gttttcccac	attcactgca	1140
ttcataggg	ttctccccctg	agcgagttct	aagatgtgct	ctgagatgtg	atgtcttgga	1200
gaaagtcttc	ccacagtcac	tacattcata	gggtttctcc	cctgtgtgaa	ttctgtgatg	1260
tgccctgagg	gctgaattat	cagcaaacgt	tttcccacat	tcattacact	catagggttt	1320
ttccccagta	tgaattctct	gatgtgcaca	gaggtgtgtt	ctttgggaga	aagttttccc	1380
acattgggtta	cattcatagg	gtttctcccc	tgtgtgaatt	ctttgatgca	ctatgagggc	1440
tgccttatag	acaaaagttt	tcccacatac	gttacattca	tacggttttt	cccctgtgtg	1500
aattctctca	tgtccactga	ggtatgattt	ctgggagaaa	gttttcccac	acttgctaca	1560
ttcataggg	ttctccccctg	tgtgaattct	ccgatgtgta	ctgaggcggtg	tcttctggaa	1620
aaaagttttt	ccacattcac	tacattcata	gagtttctcc	cctgtgtgga	tattctgatg	1680
tgctctaagg	gctgaattat	gggc aaatgt	tttctcacat	tcattacatt	catagggttt	1740
ctcccccggtg	tgaattctct	gatgtatttt	gagggctgaa	ttatgggcaa	aagttttctc	1800
acagtcacta	cattcatagg	gttttctacc	tgtgtgaatt	ctctgatgtg	ctctcagggc	1860
tgaattgtag	gtgaaagatc	tcccacattc	attacattca	tagggtttct	cccctgtgtg	1920
aattctttga	tgtgccttga	gaacagaaat	atgggcaaaa	gaccttccac	attcattaca	1980
ttcataaggt	ttctcccccg	tgtgaattct	atgatgtgct	ctgagggctg	aattatgggc	2040
aaaagttttc	tcacagtcac	tgcattcata	gggcttctca	cctgtgtgaa	ttctttgatg	2100
tgctctcagg	gctgagttat	aggtaaaaga	tttcccacag	tcattacatt	catagggttt	2160
ctccccgtg	tgaactctct	gatgtacact	gaggtgtgtc	ttgtgagaga	aagttttctc	2220
acattcaaca	cattcatagg	gtttttcacc	tgtgtgaatt	ctctgatgtg	ctctgagatg	2280
tgatgtcttg	gagaaagttt	tcccacattc	aatacattca	tagggtttct	cccccatgag	2340
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attgttatca	caaggtttct	cttttgtgtg	aattctcaga	tgtttactga	ggtttgaatt	2520
ctgacagaaa	gctttcccac	attcattaca	ttcataaagt	ttgaatccca	cataagttcc	2580
aggatgctga	ataggatgtg	aacttgaaca	aaaggatttt	gcacattcct	catattggta	2640
agttttctct	cctgagtggtg	gcctctgatg	ctgaatgagg	tgtgctttcc	ggtaaaagga	2700
ttttctgcat	ttcccatggt	catcagaaag	gtagaattta	tcttctgtgt	gaattctctg	2760
atgtgctgta	aagtctaatt	tctggtagag	ggcatctgc			2799

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<210> 5075
<211> 2261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(1387)
<223> similar to gi746490 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5075
ccaacttcaa gtgggagttc acattgctga cgtgagttac tttgttccgg agggatctga      60
tctggataaa gtggctgccg agagggctac aagcgtctac ttggttcaaa aggtgggtccc      120
catgcttccc aggtctgtgt gcgaggagct gtgcagcctc aaccccatgt ccgacaagct      180
gaccttctct gtgatctgga cactgactcc agagggcaag atccttgatg aatgggttgg      240
ccggaccatc atccgctcct gcaccaaact tagctacgag catgcacaga gcatgattga      300
aagcccaact gagaaaatcc ctgcgaaaga gctgcccccc atttccccag agcatagcag      360
cgaggaggta caccaggccg tcttgaatct ccacggaatt gccaaagcagt tacgccagca      420
gcgctttgtg gacggcgcac ttcgttttga tcagctaaag cttgctttca ctctggacca      480
cgagaccgga ttgcctcaag gatgtcatat ctatgagtac cgcgagagca acaagctcgt      540
ggaggagttc atgctcttgg ccaacatggc agtggcccac aagatccacc gcgccttccc      600
cgagcaggcc ctgctgcgcc ggaccccccc gccccaaaca aggatgctca gtgacctggg      660
ggaattctgc gaccagatgg ggctgcccgt ggacttcagc tccgcaggag ccctcaataa      720
aagcctgacc caaacatttg gagatgacaa gtactcactg gcccgcaggg aggtgctcac      780
caacatgtgc tcccgcccca tgcagatggc actgtacttc tgctcggggc tgctgcagga      840
cccagcgcag tcccgccact acgcgctcaa tgtgcccctg tacacacact tcacctcgcc      900
catccgcccgc tttgccgacg tcctggtgca ccgcctcctg gctgccgcgt taggctatag      960
ggagcgcacta gacatggcgc ccgataccct gcagaaacag gcggaccact gtaacgaccg     1020
ccgcatggcg tccaagcgcg tgcaggagct cagtaccagt ctcttctttg ctgttctggg     1080
caaggagagt ggccccctgg agtcagaagc catggtgatg ggcattcctga agcaagcctt     1140
cgacgtgctg gtgctgcgct acggcgtgca gaagcgcctc tactgcaacg cactggccct     1200
gcggtcccac cacttccaga aggtgggcaa gaagccggaa ctcacgctgg tctgggagcc     1260
tgaggacatg gagcaggagc cagcacagca ggtcatcacc atcttcagcc tgggtggagg     1320
ggtcctgcag gcagagtcca cagccctcaa gtacagcgcc atcctgaagc ggccaggcac     1380
ccagggccac ctggggccctg agaaggagga ggaggagtct gacggtgagc ccgaggactc     1440
aagcaccagc tgagctccac cagccgcctg cccgcctgcc cccgcctgcc tgtcccgcc     1500
cactggcttt aggacctgtt gacacggagg ggggttttta atttggtttt taacaactca     1560
gggggtttgt tttattttta tttaattttt gcagctcaac ttttaaacia actgcagggg     1620
agaggggtgg gctggaagga aggctgaggc ctggtcagca gtgaccccag cagagcaggc     1680
cccagtcctc ctgggagggt ggccccccct tttttctggg ccctactgcc ctccctcgcc     1740
caggaaatgg gggggtttca gcaactcagt gtcacagaat aaaatcaagt gtggagtgcc     1800
atctggtgtg tagggcgctt ctgggaagcc tgggcagcag aatgccccct gcacccaggg     1860
caagggaccc agttcaggct tcacccctcg ctgctgagcc gatgtcaaca cctggaactt     1920
tcctgtcagt tccaacacga ttcagagctg gctgcctggc agatgattga tactggagtc     1980
tcattctgcc tgattaaaaa tggaattagt atgcaacact gagagcgccc ccatcaccct     2040
gacgaatgtg actgtgtctg acgaatgtga ctgtgtccaa ccctgcccc acttcctctc     2100
tgcaccagct ccgcagggcc tgggtgggagt catgggtcct gtgatacccc ctcccctcag     2160
ttcctcaagc agcactctgt gaggtcctgt gccagctctt ggtgtgagtg ggtgccccgg     2220
cagcaccaag ggagcctgga cagaggagcc ggctgggct g                                     2261

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<210> 5076  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(399)  
 <223> similar to gi5640015 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5076

atacaaatgt	gaggtgtgta	caaaggggtt	cagtgagagt	tcacgccttc	aagcacacca	60
aagggttcat	gtggaaggga	gaccctataa	atgtgaacag	tgtggtaagg	gtttcagtgg	120
gtattcaagt	cttcaagccc	atcacagagt	ccacacagga	gagaaacat	acaaatgtga	180
ggtatgtgga	aagggcttca	gtcagagatc	aaatcttcag	gctcaccaga	gagtccacac	240
aggagagaaa	ccatacaaat	gtgatgcatg	tggttaagggt	ttccgttgga	gctcaggtct	300
tctcattcat	caaagagtcc	atagtagtga	taaattctat	aaaagcgaag	actatggtaa	360
ggactaccct	tcatcagaga	atctacacag	aatgaagat	tctgttttgt	tttgaagtcc	420
tcaaattgga	gctgaaattt	tccagtcact	agagttcttt	cagtagaaaa	agaattttta	480
aaaattaaaa	tgtaatgttg	ctgcccaact	tcaacattca	taatgg		526

<210> 5077  
 <211> 1115  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1014)  
 <223> similar to gi5353887 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5077

atggatgaaa	caggaaatct	gacagtatct	tctgccacat	gccatgacac	tattgatgac	60
ttccgcaatc	aagtgtattc	cacctgttac	tctatgatct	ctgttgtagg	cttctttggc	120
aatggctttg	tgctctatgt	cctcataaaa	acctatcaca	agaagtcagc	cttccaagta	180
tacatgatta	atttagcagt	agcagatcta	ctttgtgtgt	gcacactgcc	tctccgtgtg	240
gtctattatg	ttcacaaagg	catttggttc	tttggtgact	tcttggtgcc	cctcagcacc	300
tatgctttgt	atgtcaacct	ctattgtagc	atcttcttta	tgacagccat	gagctttttc	360
cgggtgcattg	caattgtttt	tccagtccag	aacattaatt	tggttacaca	gaaaaaagcc	420
aggtttgtgt	gtgtaggtat	ttggattttt	gtgattttga	ccagttctcc	atttctaagt	480
gccaaaccac	aaaaagatga	gaaaaataat	accaagtgtc	ttgagcccc	acaagacaat	540
caactaaaa	atcatgtttt	ggtcttgcac	tatgtgtcat	tgtttgttgg	ctttatcatc	600

cctttttgta	ttataattgg	ctgttacaca	atgatcattt	tgacettact	aaaaaatca	660
atgaaaaaaaa	atctgtcaag	tcataaaaag	gctataggaa	tgatcatggg	cgtgaccgct	720
gccttttttag	tcagtttcat	gccatatcat	attcaacgta	ccattcacct	tcatttttta	780
cacaatgaaa	ctaaaccctg	tgattctgtc	cttagaatgc	agaagtcctg	ggtcataacc	840
ttgtctctgg	ctgcattccaa	ttgttgcttt	gaccctctcc	tatatttctt	ttctgggggt	900
aacttttagga	aaaggctgtc	tacatttaga	aagcattctt	tgtccagcgt	gacttatgta	960
cccagaaaga	aggcctcttt	gccagaaaaa	ggagaagaaa	tatgtaaagt	atagtttaaa	1020
cccatttcca	gtccaaacca	atgaaaatag	tttcccaaat	aagtattttg	tcaaatcatt	1080
tacaaaaaaa	ataaaaattt	tacttaaaaa	aaaaa			1115

<210> 5078

<211> 1669

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1665) ... (1274)

<223> similar to gi4973108 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5078	
tttttttttt	ttagcttaca aacaacagaa ttttatttct catagttctg gaggcctgga 60
agttcaagat	caaggcaacg acagagtcgg tgtttggccg acagctgggt ttttgggtct 120
catacatgtc	atcttcttgc cacgtcctca tatgggtgaa gggtcgagtt agctctctgg 180
ggccttttta	aataagggca ctaatcctaa tcatgagggc tctgcactcc tgatctaata 240
acttcccaaa	ggcccacttc ttaaagtcca tcaccttggg gattaggatt tcaacataat 300
ggcttttgag	gggatacaaa ctagaactaa agaacagacc ataggcacca gctaaagact 360
ggtatgtcag	taagaatagc tgaatgagge tggaaagaga taataattag aagggaacaaa 420
gtcccattcc	agagcccaac acctagggtt tcattagggt ggggtttctc aaactcagta 480
caactgacat	tttgggccag attatttttc gttgtggggg actgccctgt gcattatagg 540
atgttttagc	gcacccctgg cttctattta ctggatgcca gtagcacaca catcccacca 600
tcccccaacc	ccccaaagtat aatgacccaa atgtctccaa acattgcccc atgtcctctg 660
gggggcaaaa	ttgccccag ttgagactgc tgtattcaat ccacttccat tagttctctt 720
taaatacaca	cattctgggc gatataacag atagaaattc ctgatctaga cagcagaatt 780
ctgttggtgt	aagagagaat acacaattat agctaaactc ttattctcac tttatataaa 840
tttatttaca	ctcacctaac tacattattc taacaaaaca ctgggacaac ttgtaaaagt 900
acttatgcat	atgtgcagga caggaagaga aaataaagga accagattta ttggggtggt 960
ttaagtgaga	tcattgggatg aactcgttta cttctattca gcagtagcct ttgtgggtccc 1020
aggcttccgg	tggccagata attccctcaa ctccatgagc aggtgaccga ggaggactct 1080
cacatcctgc	atgtgtttga gaagaaggcc catctgggtga tacagatgag gatctggcat 1140
ccccagagga	gaagaaaagc ctggatcctc agaagatggg gttggcggcg gaggcagagg 1200
cccaggggcc	tcctcaggag cagttcctgg agcagctgat ttctgaggag ctggattcaa 1260
tgtgggaggt	gcagcagagc tggaagcacc ctgcactctg atctctagct gggggctctg 1320
tttccaaact	tgggtgtcct cagtggctgc ctcacaccag tatgaccgag agtgatcttc 1380
tgaagctgtg	gggatctgga attctgagga gagccccctg ctttgcacta tccttccatc 1440
cttgtagaag	gagaagagga ggcgggcagc tgacctctgc aggggcaact ttgtctgaca 1500
actcagggtc	atggggcttc ctgcttgggg ttcagctgag ggtacagctc tgagaattgg 1560
cgctggaaac	agttcttggga ctgtgatagc cacaacagat gctgtttctg ggatcccagg 1620
accagggctc	tggaagatgc cactgcagtg gtagtgcccc ctgtctgcc 1669

<210> 5079  
 <211> 913  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (13)...(236)  
 <223> similar to gill176422 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5079

ttcactgcag	aagaagggga	cttgtggttt	accttgagag	ggaacgcccc	cgttcaggtt	60
cacttcctgg	atccttactg	ctctgcctcg	gtggcaggag	cccgggaagg	agattatatt	120
gtctccattc	agcttgtgga	ttgtaagtgg	ctgacgctga	gtgaggttat	gaagctgctg	180
aagagctttg	gcgaggacga	gacgagatg	aaagtcgtga	gcctcctgga	ctccacatca	240
tccatgcata	ataagagtgc	cacatactcc	gtgggaatgc	agaaaacgta	ctccatgatc	300
tgcttagcca	ttgatgatga	cgacaaaact	gataaaaacca	agaaaatctc	caagaagctt	360
tccttcctga	gttggggcac	caacaagaac	agacagaagt	cagccagcac	cttgtgcctc	420
ccatcggtcg	gggctgcacg	gcctcaggtc	aagaagaagc	tgccctcccc	tttcagcctt	480
ctcaactcag	acagttcttg	gtactaatgt	gaggaaacaa	acatgttcag	gccccgaaca	540
tttcgggtgc	tgactcggcc	ttaaactgtt	gtgccataat	ggaaaatata	tatctatctg	600
ttctcaaate	ctgtttttct	catagtgtaa	actcacattt	gatgtgtttt	tatgaaggaa	660
agtaaccaag	aaacctctag	gaattagtga	aaaaagaact	tttttgaggt	gtgttactat	720
actgctgtaa	gttattttat	atataaagta	ttgtaaatag	aatagcgttg	aagatatgaa	780
atatggctat	ttttaatggg	gacaattatg	acttttagtc	actattaaat	tgggggtacc	840
tatatcagta	caattttag	ttgtttccag	gtttggctaa	taatcattcc	ttaacctaga	900
attcagatga	tcg					913

<210> 5080  
 <211> 686  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (193)...(372)  
 <223> similar to gi2865208 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5080

ctggggccgca	gggcagtgca	ctcctcagcc	ggcttctctt	ggtcacgccg	gcggggccgc	60
-------------	------------	------------	------------	------------	------------	----

agcactgtgt	gaggggtggg	gccctggcac	ctagcttggg	cacgtgccct	cctagccgga	120
cctcccacag	gcaggggctc	tgctcccacc	tgctctgcc	agcccactag	tgctcacctg	180
tccctagggtg	tgtttgtcaa	agtgtctctg	atgaaccaca	acaagtttgt	caagtgaag	240
aagacttcag	ctgtgctggg	ctccatcaac	cctgtgtaca	atgagacctt	cagcttcaag	300
gccgatgcc	ccgagctgga	taccgctagc	ctcagcctga	ctgtggtgca	gaacatggaa	360
ggggacagta	agggcacacc	ctaccctggg	ctgctgggat	ggggaccacg	aggggctgcc	420
gagtgttcag	gcagagtga	tgctcctgt	cctgacctca	aaaggagctg	tacgagctcc	480
ctccctgggt	aaggaaacta	gtgctcagaa	aggctgaaat	attgccaag	gcctgggttt	540
caggcccagc	tttagtccag	ttgagctctg	tctgtggcac	cctagaaaca	ggttaagcag	600
ccgggcatgc	tggtcacat	ctgtaatccc	agcaccttgg	gaggccaagg	tgggtggatc	660
acttgagctc	aagagttcaa	gaccag				686

<210> 5081

<211> 1642

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(524)

<223> similar to gi4038081 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5081

atgagacgct	ttttaagcaa	agtctacagt	ttcccaatga	gaaaattaat	cctctttctt	60
gtctttccag	ttgtgagaca	aactcccaca	cagcacttta	aaaatcagtt	cccagctctg	120
cactgggaac	atgaactagg	cctggccttc	accaagaacc	gaatgaacta	taccaacaaa	180
ttcttgctga	tcccagagtc	gggagactac	ttcatttact	cccaggtcac	attccgtggg	240
atgacctctg	agtgcagtga	aatcagacaa	gcaggccgac	caaacaagcc	agactccatc	300
actgtggtca	tcaccaaggt	aacagacagc	taccctgagc	caaccagct	cctcatgggg	360
accaagtctg	tgtgcgaagt	aggtagcaac	tggttcagc	ccatctacct	cggagccatg	420
ttctccttgc	aagaagggga	caagctaattg	gtgaacgtca	gtgacatctc	tttgggtgat	480
tacacaaaag	aagataaaaac	cttcttttga	gccttcttac	tataggagga	gagcaaatat	540
cattatatga	aagtcctctg	ccaccgagtt	cctaattttc	tttgttcaaa	tgtaattata	600
accaggggtt	ttcttggggc	cgggagtagg	gggcattcca	cagggaacac	ggtttagcta	660
tgaaatttgg	ggccaaaatt	tcacacttca	tgtgccttac	tgatgagagt	actaactgga	720
aaaaggctga	agagagcaaa	tatattatta	agatgggttg	gaggattggc	gagtttctaa	780
atattaagac	actgatcact	aaatgaatgg	atgatctact	cgggtcagga	ttgaaagaga	840
aatatttcaa	cacctcctgc	tatacaatgg	tcaccagtgg	tccagttatt	gttcaatttg	900
atcataaatt	tgcttcaatt	caggagcttt	gaagggaagtc	caaggaaagc	tctagaaaac	960
agtataaact	ttcagaggca	aaatccttca	ccaatttttc	cacatacttt	catgccttgc	1020
ctaaaaaaa	tgaaaagaga	gttggtatgt	ctcatgaatg	ttcacacaga	aggagttggg	1080
tttcatgtca	tctacagcat	atgagaaaag	ctacctttct	tttgattatg	tacacagata	1140
tctaaataag	gaagtatgag	tttcacatgt	atatcaaaaa	tacaacagtt	gcttgtattc	1200
agtagagttt	tcttgcccac	ctattttgtg	ctgggttcta	cettaacceca	gaagacacta	1260
tgaaaaacaa	gacagactcc	actcaaaatt	tatatgaaca	ccactagata	cttcctgatc	1320
aaacatcagt	caacatactc	taaagaataa	ctccaagtct	tggccaggcg	cagtgggtca	1380
cacctgtaat	cccaacactt	tgggaggcca	aggtgggtgg	atcatctaag	gccgggagtt	1440
caagaccagc	ctgaccaacg	tggagaaacc	ccatctctac	taaaaaataca	aaattagccg	1500
ggcgtggtag	cgcattggctg	taatcctggc	tactcaggag	gccgaggcag	aagaattgct	1560

```
tgaactgggg aggcagaggt tgcggtgagc ccagatcgcg ccattgcact ccagcctggg 1620
taacaagagc aaaactctgt cc 1642
```

```
<210> 5082
<211> 1137
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2)...(269)
<223> similar to gi2598168 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5082
tggagagaaa ccatttaa at gtgaggaatg tgggaaagaa ttcagttgga gtgctgggtct 60
cagtgcccat cagagggtcc acacaggaga gaaaccctat acgtgtcagc agtgtgggaa 120
gggcttcagt caggcctcac attttcacac acaccagaga gtccacactg gagagaggcc 180
ttacatatgt gatgtctgtt gtaagggttt cagtcagagg tcacatctca tctaccatca 240
gagagtccac actggaggga atctgtagaa atgagagggtg tggttcagcc ttcagttaga 300
gtcacatctt ttgtctccgt tgggaagtc atgtgatga ttgtgaaaag ttcctttaaa 360
actagaagct tcaaagaatc ttgacaggaa agaagtctct caaatgctgt gttttagact 420
tggttaggac atgaattctt taaaaacgtc atatttcaca gatgagagaa aactttgttc 480
tgtaaatatg atcagtgttt atatcagagt accagggtgtc cgggttctca agatgtaaca 540
cagcagaaaa gtctgtctcg agtctgcaca ggagagaggc cttcctttta caaaagtatg 600
attgacagaa aaaatggatg tcaactaaaa tgtaacctct atgtaaggag gtgtttttca 660
ccactctatc tctaccatgt agaattgtgc ttgggtcata atagggccca gcaattactg 720
aagaaaagtga agaaaatacc tataattagg acaaatactt gaaaattcta gtctgttttc 780
tactctaaat ttatattaat ttatattcaa aaggaatcct gcaagtagcc ttaatgacgt 840
tagtttcagt aagtactgaa aagtatataa tactgccatc cataactaaca caaatttgga 900
aaaaagacat gaatggctcc catccttcag ccttagttct ttgtacagt tatcatcagt 960
tgtgtacagt atgattttta gtgtcagttt atagactgaa caatactgtt tttatctaat 1020
gtgacctgc aatttacatg attagaattt ttggccctta agctgtactg taactctgaa 1080
agtgttaaaa gtagtactg atgacaaaaa gtttcttagt aaacttgaat tgttaaa 1137
```

```
<210> 5083
<211> 1839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1840)
<223> n = a,t,c or g

<220>
```

<221> misc\_feature  
 <222> (295)...(640)  
 <223> similar to gi4455730 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5083

gagattgcaa	acctcatctt	ggctgagaac	tgcgaggctg	ccctggctct	tcatctctat	60
aggggaggca	ggcttttgca	aggccaccga	atcccttttg	gagtcacctt	tgggtggaact	120
gatgtaaatg	aagatgccaa	ccaggcggaa	aaaaacacag	tcatgggcag	agttcttgag	180
gaagccagat	ttgctgtcgc	tttcacagag	tcaatgaagg	aaatggcaca	agcgcatggt	240
gtcgatccag	tgtttacaag	ggaagtgaag	gccaaagtga	aaagagccgc	tggggtacga	300
ttgattggag	agatgcctca	agaagatctg	cacgcggttg	tgaagaattg	cttcgcggtg	360
gtgaatagct	ctgtctctga	aggcatgtca	gctgcaattt	tggaggcaat	ggatttagaa	420
gtaccggtat	tggccaggaa	catccccggg	aatgctgccc	tgggtgaagca	tgaagtcaca	480
gggctactgt	tttccaatcc	tcaggagttt	gttcatcttg	caaagagact	ggttagtgat	540
cctgcattag	aaaaggaaat	cgtagtgaac	ggaaggggaat	acgtgagaat	gtatcattca	600
tggcaggttg	aaagagacac	ctaccaacag	ctcatcagga	agctggaagg	aagcactgaa	660
gattgagggc	cccgcctcat	cagacacctg	ctctctgaca	cacagctctg	ggtgcacact	720
cagagacaga	gttctggatc	acgtgggccc	agtgcagttc	aaataaaaacc	agcctcagcg	780
gaatcctaga	aaatgttagt	cgtgagtcct	cagagccact	gcattcatcc	catatccttc	840
tgtgcgttca	gatgctgtcc	caggcgtggt	caccagccag	tctgatgga	ggtgcatgag	900
tgactgggtt	gactgggaca	gggaaagggg	aactggtttt	cagggaattt	gggagagaat	960
ttgattacct	gccttagggc	tttgggtgtg	acaatagagg	cttattttca	agcagtcattg	1020
gttcagactc	ctcccgctcg	ccttctgacc	aacctctccc	catcgttgcc	agtttgaaag	1080
gcaaaagcaa	aacagacgtg	tcagctgagc	cgagtcctcg	caggattttt	gttgtgatct	1140
caggactctg	acaggcacgt	gggtgaccgc	aggcttctct	gaacactaga	aagcgctgtg	1200
agtgagctca	cgcccgccac	agctcacttt	tcaatgggtg	aattgaaagt	tgtgcttttt	1260
agaaaagtgg	ccaggctgcc	cgcaggcccc	gcccacctct	tggctgaatt	tgagtggaaa	1320
accaggaagg	aacaagcgcc	acgtcacgca	tagcctgcaa	atcgcccgcg	tgaccctgag	1380
atggaggcct	gaggcttttg	gtccagggtg	ggctcttccc	cttcccacat	cagggaacctg	1440
gggatggatg	tcggaagggt	caccagcctc	cagccttttg	caggatggag	cttgggtctg	1500
cagggtcttg	cagccacaca	gcgaggtcag	tccggggcca	gccgcgccat	catggtaattg	1560
gtggcctcgc	cccatccatg	tcatccatgt	cacatgagga	cgtgcagtct	ttccttggtc	1620
cttttcccta	gtgggaattt	tgcttgggga	gaacctccac	ttgaataatt	gaaatttttt	1680
tgcattgcct	gttgggattt	cctttacgga	caatgggggg	aacgcggtgt	ttcccacctc	1740
ttgtgggtag	aaagcagctc	gcttttagga	ggcgagaagg	caaagcangg	ggcagggggt	1800
ttgctgtggg	aagcgttcgg	tgaaagcggg	tttcgacgc			1839

<210> 5084  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (85)...(406)  
 <223> similar to gi3327076 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



```

<400> 5084
gggttcaaga cccacttctt ggtctgtggg cctggggagg ggtgctggtc aaggagcatg      60
ggtggtgaca gaggtgtctg ggggcagtgt gagatgaatc agatgagcgg agaacctctg      120
gacaagctga acttcgaggc catcaacttc tgtcggggtc tgggcagcca ggcattccacc      180
gtgactgaga ttgtgaagca gcaagacccc ctggtctaca aggccatcca gcaaggcatc      240
aatgctgtga accaggaagc catgaacaat gcacagagga ttgaaaagtg ggtcatcttg      300
gagaaggact tttccatcta tgggtggagag ctaggtccaa tgatgaaact taagagacat      360
tttgtagccc agaaatacaa aaaacaaatt gatcacatgt accactgact gctttgatgg      420
agctgctctc agctgttctg atgccttcag caggaagac                               459

```

```

<210> 5085
<211> 774
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (633)...(516)
<223> similar to gi5689451 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5085
cactataatg attggtatta aagctgtttt tttttctttt tttaaaaata catgtcaaaa      60
ttttcttgga ctcccctggc aagcaggtat acttcaagag cacgggagct tttctttcaa      120
gagtccacat ttccaggaag gctggtgaga gcaaacgagg gactttcagt aacctggcaa      180
ggcagaataa agtgaccaag ctggaacgaa tccccctgtg ccctggcttc atcgggacta      240
cctgcaggct gatcaggggt ggccagccac aaacacctcg agggccttcc atttcacttc      300
acactggcag gcacttactc agccctgtta aacacacggt tagtgccata tgcttgagct      360
gagatcacta ggagggggcag cgctgggtaa ctctttggga cttcacattt ccagagggag      420
gcattcttgtt tttcccctca gctgtggaaa ttcttttttg aaagcttaag agcaaggctg      480
ccctttgcac acaaggacat gctgaccgtt atacctgctg tagatgcctg tctccgttct      540
cattggcagg actactctcc gaccatttac tgcttcttga ttgctctttt tcattcaaca      600
aagctgtggc atacgctaac gtgtcctgca gaagattcaa acacaagacg acaaagttag      660
ggcccattca gtggcagcag caaccgccag ggaagactac ctttcactctg accttcagtg      720
ggaccggagg cctgagagtg aggccttcat cacagtcacc agaacccttcc caac          774

```

```

<210> 5086
<211> 1806
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (211)...(826)

```

<223> similar to gi5817018 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5086

aagacatcag	aatttgtatg	tgatccatac	aatattat	tttagtatgc	ttttagcaaa	60
caaactcact	ggcttttctt	tactattaat	aatgtgctaa	ttttgtat	gagtttctga	120
tcaaactttt	tattcctttg	tcatcttttc	ctactttaat	ggatcgagaa	gtggcggtgc	180
ttgctgaaat	ggacaaagt	aaagctgaag	caacactttg	ttagtgaacg	taaatatgat	240
gaggatctgg	gacgagtagc	ccggttcacc	tgtgatgtag	agaccctaaa	gaagagcatt	300
gattcatttg	gacaagtgtc	tcatccaaag	aacagctatt	cgaccagatc	ccgatgtagc	360
tcagttacat	ctgtgtcctt	gagtagccca	agtgatgcct	ctgctgcttc	ctcttcacc	420
tgtgcctctc	ctcccagcct	tacaagtgtc	aacaagaaaa	actttgcacc	gggagagact	480
cctgcagcca	tagcaaactc	cagtggccag	ccctaccagc	cacttcggga	ggtattgcc	540
gggaacagac	gaggaggaca	gggctatagg	ccacaaggcc	aaaagtccaa	tgaccccatg	600
aaccaagggc	ggcatgacag	tatgggtcgt	tacagaaaca	gctcgtggta	ttcatctggt	660
tccaggtatc	agagtgtctc	atctcaggca	ccaggaaaca	ccattgaaag	aggccagact	720
cactctgcag	ggaccaatgg	aactggagtc	agcatggagc	ccagccctcc	cacgccttca	780
ttcaaaaagg	ggctccccca	gcgcaaaccc	aggacctctc	agactgaagc	cgtgaactct	840
tgagagaaaa	tccagttggc	ctctctctct	tatccacaca	attcaacttg	ataactggac	900
tttaggaaac	ttacagttag	atgtaataac	aaaaagaagt	ttatgcgtat	cactttttgt	960
gccattctaa	gtatttttgg	tttcttgtct	ccttatttcc	tctttaccat	ttttggaggg	1020
gaagctat	tttttcttgg	atctttccca	gtgatatgga	ttgaatctgg	ttggtcattt	1080
ccaccaggaa	tcagaggcag	ctgttaccag	gtttcggcct	tccagttgat	ccctccactg	1140
tccaggctgt	ctcaggagga	gggtgaatcag	agctagtctg	tcacctttcc	aatctaagcc	1200
gaagccacag	gtgcctgaca	ggttcccttc	taacaactat	ttgaccaaga	gaggcaatca	1260
gggggttgta	tactgcactg	gattcgccag	agaagggaaa	atttaattag	tgaaaaggaa	1320
agaacactag	gaaacatttg	agaacctgcc	tctatcccag	aatgtgctgg	agatttgaca	1380
ctcaaactag	tgttttagtct	tctgcttgcc	accatagctt	aacctgcagt	ttcttcaaaa	1440
tgcccaatgc	cttggttctt	attaccttag	attgcaaacc	agtctagggg	agtctatgag	1500
aaagtagcat	ttaattaaag	tttaaaaaaa	aaaagggttg	gcgttggtgg	tcatgcctgt	1560
aatcccagca	ctttgggagg	ctgaggcggg	tggatcacta	ggtcaggagt	tcaagaccag	1620
cctggccaac	atggtgaaac	cctgtctgta	ctaaaaatac	aaaaattagc	tgagcatggt	1680
ggcgtgtgcc	tgtaatctca	gctactcagg	aggctgaggc	aggagaatcg	cttgaaccca	1740
ggaggcgagg	gctgcagtga	gctgagattg	tgccactgca	ctccagcctg	ggagacagag	1800
caagac						1806

<210> 5087

<211> 1784

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (38)...(1483)

<223> similar to gi4768838 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5087

```
ccagctgcc  ggcaccttgt  aaatacatgg  tgccgggcag  ctggccatga  ctcaccaag  60
tcatcattta  aatttttgaa  tgaatcctga  tcatgccagg  aattcattat  ctaactgtgg  120
aattcggcag  cccaaatacg  gagacagaaa  agttcatcac  atgcacatgc  ggaagaaagg  180
gattaacacc  ttgataaata  tcatgtcacg  ccttggccaa  gatgacccaa  ctccctcgag  240
gattaaccac  aatgaacggg  tgggaattcct  ggggtgatgct  gttgttgaat  ttctgaccag  300
cgtccatttg  tactatttgt  ttcctagtct  ggaagaagga  ggattagcaa  cctatcggac  360
tgccattggt  cagaatcagc  accttgccat  gctagcaaag  aaacttgaa  c 420
tatgctgtat  gctcacgggc  ctgaccttgg  tagagaatcg  gaccttcgac  atgcaatggc  480
caattgtttt  gaagcgtaa  taggagctgt  ttacttggag  ggaagcctgg  aggaagccaa  540
gcagttattt  ggacgcttgc  tctttaatga  tccggacctg  cgcgaagtct  ggctcaatta  600
tctctccac  ccactccaac  tacaagagcc  aaatactgat  cgacaactta  ttgaaacttc  660
tccggttcta  caaaaactta  ctgagtttga  agaagcaatt  ggagtaattt  ttactcatgt  720
tcgacttctg  gcaagggcat  tcacattgag  aactgtggga  tttaaccatc  tgaccctagg  780
ccacaatcag  agaatggaat  tcttaggtga  ctccataatg  caactggtag  ccacagagta  840
cttattcatt  ctttcccag  atcatcatga  aggacactta  actttgttgc  gaagctcttt  900
ggtgaataat  agaactcagg  ccaaggtagc  ggaggagctg  ggcattgcagg  agtacgccat  960
aaccaacgac  aagaccaaga  ggcctgtggc  gcttcgcacc  aagaccttgg  cggacctttt  1020
ggaatcattt  attgcagcgc  tgtacattga  taaggatttg  gaatatgttc  atactttcat  1080
gaatgtctgc  ttctttccac  gattgaaaga  gttcattttg  aatcaggatt  ggaatgaccc  1140
caaatcccag  cttcagcagt  gttgcttgac  acttaggaca  gaaggaaaag  agccagacat  1200
tctctgtac  aagactctgc  agacagtggg  cccatcccat  gcccgacct  aactgtggc  1260
tgtttatttc  aaggagaaa  gaataggctg  tgggaaagga  ccaagtattc  agcaagcgga  1320
aatgggagca  gcaatggatg  cgcttgaaaa  atataatttt  cccagatgg  cccatcagaa  1380
gcggttcac  gaacggaagt  acagacaaga  gttaaaagaa  atgagggtgg  aaagagagca  1440
tcaagagaga  gagccagatg  agactgaaga  catcaagaaa  taaaggaggg  catgcaagtg  1500
tgaggtattt  acttgctcag  taactgtgac  tgttgtctat  tgagacctag  cctagttttc  1560
ctgcagacaa  tgaacgaagt  gtgctcattg  aaataaaata  cagagtcaaa  tcgctattgt  1620
tgttttaatg  atctgttttt  agctggatgg  tctttattac  aaagtattag  atttttcttc  1680
tatttaacgg  aaaacttgac  tttggtgaat  gtgcattact  tctttttatt  ttgctcttta  1740
aataataaaa  ttcaagaagc  atattctatg  tggaaaaaaa  aaaa  1784
```

<210> 5088

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(844)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (795)...(174)

<223> similar to gi3335567 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5088

```
tttttttttt  tttttaggtg  cagagacagc  tggatcagct  ccagcccaca  tttattacaa  60
```

aatagtgacc	gcagttctgg	tatagaaaag	atccctgaca	gccagtagca	cctgcaacgg	120
ccccacccc	acagagttcc	tctctcaggt	gcctcaggtg	tggaagttct	cagattcgaa	180
ggtttctcgc	caggagggcg	ctgtaccggg	cagttgtgag	gggcaggtag	gcacctacag	240
cctggtccag	aacgtacagt	gggtcagaca	gggtgctggg	gtcgaagccc	tcatttgcca	300
tccgaacttt	ctgctgtttg	aaggtctctg	tggtggccaa	agactcctgg	agcctgagga	360
atcggggccg	ggcataaggt	ggcaagttct	cagacacgtg	ggtgtagagc	tgcataaggt	420
ccaaagcgtg	ggggggacgc	agaactaggg	ctgccattcc	agccctgcct	tcatgccttg	480
gcacagtgc	tccatagacg	ttcacctcct	gaagaaaatc	tagggcctcg	aagacctctg	540
ccacctcggt	tgtggccaca	ttctccccct	tccacctgaa	ggtgtctcca	gtacgatcat	600
ggaagcggag	aaaaccttgg	tcacgcgaga	ccagcaggtc	cccagtgttg	aagaaaacat	660
ccccaggccg	gaagacatcc	tttagcaact	tcccctgggc	cagctctggc	ccgccagcat	720
agcccaggaa	tggggactgc	tggcttaccg	gggccaccag	cagccctggc	tcacctggca	780
gagtcctccg	ggtcaggagt	ggtgtgccta	ggggctacaa	ccagtgtctc	aaantngccc	840
act						843

<210> 5089

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (92)...(652)

<223> similar to gi2673914 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5089						
gtgactgttt	ctttttttgc	catcacaaaa	taatatttta	gtcaaatttt	taaaatctta	60
ttcagaggac	tttacctcat	tttttctttt	tttcagaact	gtgacaattg	agaagtgcag	120
gaatagcatc	tttgtcttgg	gccctgtagg	gactacactt	cacctccaca	gttgtgacaa	180
tgttaaagtc	attgctgttt	gccatcgttt	gtccatctct	tctacaacag	gttgcattct	240
tcacgtttct	acgcctacac	gccacttat	tctctctggg	aaccagacag	taacttttgc	300
cccttttcat	acacattacc	caatgctaga	ggaccatatg	gccaggactg	gccttgctac	360
agtgcctaac	tattgggata	atccaatggg	tgtgtgcaga	gagaacagcg	acacaagagt	420
cttccagctt	ttaccacctt	gtgaattcta	tgtattttatt	attccctttg	aaatggaagg	480
ggacacaaca	gagatacccg	ggggtcttcc	atctgtatat	cagaaagcac	tgggtcaaag	540
agaacagaag	atacagatct	ggcagaaaac	tgtgaaggag	gctcatttga	caaaggatca	600
aaggaagcag	ttccaggtac	tggtagagaa	caagttttat	gaatggttga	ttaatacagg	660
acatcgccaa	cagctggaca	gccttgtagc	ccctgcagca	ggctccaaac	aagcagctgg	720
ataaggatct	tacatgcaga	cactggggcc	tggaaatata	aggataaatg	gaggatgggtg	780
ctcatcttga	aacttgaaac	taaattggga	aggtgctatt	gctgcttaag	agacattggg	840
acttttctgt	c					851

<210> 5090

<211> 662

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (74)...(604)

<223> similar to gi3287449 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5090

gaagatacaa	gtcacggttg	atgacacctgt	cacaaagcca	gtggtgcaga	ttcatcctcc	60
ctctggggct	gtggagtatg	tggggaacat	gaccttgaca	tgccatgtgg	aagggggcac	120
tcggctagct	taccaatggc	taaaaaatgg	gagacctgtc	cacaccagct	ccacctactc	180
cttttctccc	caaaacaata	cccttcatat	tgctccagta	accaaggaag	acattgggaa	240
ttacagctgc	ctggtgagga	accctgtcag	tgaaatggaa	agtgatatca	ttatgccccat	300
catatattat	ggaccttatg	gacttcaagt	gaattctgat	aaagggctaa	aagtagggga	360
agtgtttact	gttgaccttg	gagaggccat	cctatttgat	tggtctgctg	attctcatcc	420
ccccaacacc	tactcctgga	ttaggaggac	tgacaatact	acatatatca	ttaagcatgg	480
gcctcgctta	gaagttgcat	ctgagaaagt	agcccagaag	acaatggact	atgtgtgctg	540
tgcttacaac	aacataaccg	gcaggcaaga	tgaaactcat	ttcacagtta	tcatcacttc	600
cgtaggtatg	tgtgacatac	aaggaaggga	tcctaataaa	acatgaatgc	atgcaaaaaa	660
aa						662

<210> 5091

<211> 1127

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (137)...(505)

<223> similar to gi4972120 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5091

ggcgtagcct	aagcgtggga	ttccgcgcgt	gcgctcggtt	ccgcctggtg	cggccgcggc	60
cgggagggac	tggattatgt	cggccccgtt	tgaggagcgg	agtgggggtg	taccgtgcgg	120
gaccccgctg	ggccagtggg	accagacctt	ggaggaggtg	ttcattgaag	ttcaggtgcc	180
gccaggcacg	cgcgcccagg	atatccagtg	cggcctccag	agccggcatg	tggcgctgtc	240
ggtgggaggc	cgcgagatcc	tcaagggcaa	actctttgat	tctacaatag	ctgatgaggg	300
aacatggact	ttggaggaca	gaaaaatggt	tcgtattggt	cttacaaaga	caaagagaga	360
tgcagcaaat	tggttgactt	ctctactaga	atctgaatat	gcagcggatc	cttgggtgca	420
agaccaaagt	cagagaaagc	ttacattaga	gagattccaa	aaagaaaatc	ctgggtttga	480
cttcagtggg	gcagaaatct	caggaaacta	cactaaaggt	ggaccagatt	tctcaaacct	540
tgagaaataa	ctgctttttt	tcctgcattc	tgtggatcct	agcagatatt	gccaaactta	600
tcagataaac	agattatgta	atggaagaaa	aatgcggatg	cctacagtta	acagattgca	660
aaatgtatct	taaaatggtt	ctaaaaattg	cattcaaaca	taatttacat	aggaaatgta	720
ctgtgggaac	tattctatgg	atatatggta	aagttgtttt	ggacttggtt	ttgctcagca	780

tgaagtttta	tatgctgcat	tttactaatt	ccatatttta	ccatattttt	aatacaaaaag	840
aacatttagag	tatagatcat	gtgaaatgaa	gggtgccttt	ggggaaaatt	aactttttct	900
tttgataagt	atgatattca	ataaaaattt	ctaaaatagga	attgtgtacc	cctttgtcta	960
agtataacaa	ttcacacaaa	attatagtgc	tgaaaacaat	tttaataaag	gaaaaagtta	1020
attttcccca	aaggcacctt	tcatttcaca	tgatctatac	tctaattgtt	ttttgtatta	1080
aaaatatggt	taaatatgga	attagtaaaa	tgcagcgtcg	acgcggg		1127

<210> 5092

<211> 1978

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (80)...(669)

<223> similar to gi3878112 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5092

aggcgtgaat	tcctactcat	gtcctgcact	gaaatctagg	atcggaaaga	atccgttttt	60
atttgaaaat	tccttttcag	aaaatcaggc	atttgcttct	cttaagacgg	ttttagagtc	120
tttgccagaa	gacgtacggt	ttaacattga	aataaaatgg	atctgccagc	ccagggatgg	180
aatgtgggat	ggtaacttat	caacatattt	tgacatgaat	ctgttttttg	atataatttt	240
aaaaactgtt	ttagaaaatt	ctgggaagag	gagaatagtg	ttttcttcat	ttgatgcaga	300
tatttgcaca	atggttcggc	aaaagcagaa	caaatatccg	atactatttt	taactcaagg	360
aaaatctgag	atttatcctg	aactcatgga	cctcagatct	cggacaaccc	ccattgcaat	420
gagctttgca	cagtttgaaa	atctactggg	gataaatgta	catactgaag	acttgctcag	480
aaacccatcc	tatattcaag	aggcaaaagc	taagggacta	gtcatattct	gctgggggtga	540
tgataccaat	gacctgaaa	acagaaggaa	attgaaggaa	cttgaggatga	atgggtcta	600
ttatgatagg	atatatgatt	ggatgcctga	acaaccaa	atattccaag	tggagcaatt	660
ggaacgcctg	aagcaggaat	tgccagagct	taagagctgt	ttgtgtccca	ctgttagccg	720
ctttgttccc	tcacttttgt	gtggggagtc	tgatatccat	gtggatgcca	acggcattga	780
taacgtggag	aatgcttagt	ttttattgca	cagaggtcat	tttggggg	tgccacgctg	840
ttctgggtat	tcatttttca	tcactgagca	ttgttgatct	atgccttttg	ggcttctcag	900
ttcaatgaag	caataatgaa	gtatttaact	ctttcactac	agttcttgca	agtatgctat	960
ttaaattact	tggccaggta	taattgccag	tcagtctctt	tatagtgaga	aaatttattg	1020
gttagtaata	taaatatttt	aaactaaata	tataaatcta	taatgttaaa	catatgttca	1080
ttaaaagcat	agcactttga	aattaactat	ataaatagct	catatttaca	cttacagctt	1140
ttcattttgat	caggtctgaa	atcttttagca	cttaaggaaa	atgactatgc	ataattatac	1200
ctgaccatga	aaaaaataag	tacctcaa	gcatgcattt	gcaactggta	ttccaactgc	1260
acaaatcttt	gtgcatctt	gtatataggt	attttttaca	tgggttgaca	tgacacaa	1320
accattttca	ttcagtatga	accttgaggc	tgctgccatt	tttccactta	accaaaccag	1380
cctgaagggtg	aacctcgaaa	cttgtttcat	aaatctttca	aaagttgttt	tacatcaatg	1440
ttaaaatttc	aaaatgctgc	agggtaat	aatgtataaa	atattagtaa	gaaaaagtat	1500
gtattgcata	cttagtagaa	tagatcacia	catacaaatt	caattcagtg	catgctttag	1560
gtgttaagca	tgagattgta	catgtttact	gttaggtcct	tgcatctgtg	gtgctagggtg	1620
agtatgagaa	gatgtcaagg	actggacgta	ttttgttgcc	taaaaaaaaa	aaggctgttt	1680
gtaggcggtt	taaatatgct	tattttgtgt	gtctctcact	acattattaca	cactgtttgct	1740
ttgtgggttt	gtttgttatg	tgcgtgtgtt	atacagtagt	taaatttcca	tgcaaaaaa	1800
taaatgtcct	gaattctcat	attagtattc	tttattgtat	atcatgcatg	taatttattt	1860

```

agaaatgtag gtcttactaa atgtatatgc atgtatttca gattatacta ggattttcttg 1920
gattagaagc agattgtggt aacgtgtaac ttaaagaatg aatgtttaat aaaatgat 1978

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```

<210> 5093
<211> 1594
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (3)...(1048)
<223> similar to gi5101768 in the genepept database release 114
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5093
atgaccacag gcaccgagat cacagtcatt ggcgaggtga gaggcattcg tccctggatc 60
ggcgggagcg aggccgcagt cccgacagga gaagacaaga cagccgttac agatctgatt 120
atgaccgagg gagaacacca tctcgccacc gcagctacga acggagcaga gagcgagaac 180
gggagagaca caggcatcga gacaaccgaa gatcaccatc tctggaaagg tcctacaaaa 240
aagagtataa gagatctgga agtcgctccc caagtaggga gaagaagaga gctcgttgagg 300
aggaagaaaa agaccgttgg agtgacaacc agagttctgg caaagacaag aactatacct 360
caatcaagga aaaagagccc gaggagacca tgccctgaca gaatgaggag gaagaagaag 420
aacttcttaa gcctgtgtgg gtctgatgca ctcatcaga aaactactac tccagtgacc 480
ccatggatca ggtgggagat tctacagtgg ttggaacgag taggcttcgt gacttatatg 540
acaaatttga ggaggagtgg gggagcaggg aagaaaaggc caaagctgct cggcctccgt 600
gggaacctcc aaagacgaag ctcgatgaag atttagagag ttccagtga tccgagtgtg 660
agtctgatga ggacagcacc tgttctagca gctcagactc tgaagttttt gacgttattg 720
cagaaatcaa acgcaaaaag gccacccttg accgacttca tgatgaactt tggtagaacg 780
atccaggcca gatgaatgat ggaccactct gcaaatgcag cgcaaaggca agacgcacag 840
gaattaggca cagcatttat cctggagaag aggccatcaa gccctgtcgt cctatgacca 900
acaatgctgg cagacttttc cactaccgga tcacagtctc cccgcctacg aactttttaa 960
ctgacaggcc aactgttata gaatacgatg atcacgagta tatctttgaa ggattttcta 1020
tgtttgaca tgcccccttg accaatattc cactgtgtta agtaattaga ttcaacatag 1080
actacacgat tcatttcatt gaagagatga tgccggagaa tttttgtgtg aaagggcttg 1140
aactcttttc actgttctta ttcagagata ttttggaatt atatgactgg aatcttaaag 1200
gtcctttggt tgaagacagc cctccctgct gcccaagatt tcatttcatt ccacgttttg 1260
taagatttct tccagatgga ggaaaggaag tgctgtccat gcaccagatt ctctgtact 1320
tgtaagggtg cagcaaagcc ctggtgctg agggagagat tgccaatatg cttcagtggg 1380
aggagctgga gtggcagaaa tatgcagaag aatgcaaagg catgattgtt accaaccctg 1440
ggacgaaacc aagctctgtc cgtatcgatc aactggatcg tgaacagttc aaccccgatg 1500
tgattacttt tccgattatc gtccactttg ggatacgccc tgcacagtac caaaaactgt 1560
ggaagagtta tgtgaaactt cgccacctcc tagc 1594

```

```

<210> 5094
<211> 1077
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(784)

<223> similar to gi3128218 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5094

ccacagctat	ttacaggaat	tctttctccc	tggaaaggac	tactgctgta	cggccctcca	60
ggtacaggaa	agactttact	ggccaaagct	gtggccactg	aatgtaaaac	aaccttcttt	120
aacatttctg	catccaccat	tgtcagcaaa	tggagagggg	attcagaaaa	actcgttcgg	180
gtgttatttg	agcttgcccg	ctaccacgcc	ccatccacga	tcttcctgga	cgagctggag	240
tcggtgatga	gtcagagagg	cacagcttct	gggggagaac	atgaaggaag	cctgcggatg	300
aagacagagt	tactggtgca	gatggatggg	ctggcacgct	cagaagatct	cgtatttgtc	360
ttagcagctt	ctaacctgcc	gtgggagctg	gactgtgcc	tggtacgccg	cctggagaag	420
aggattctgg	tcatctccc	cagccgggag	gccaggcagg	ccatgatcta	ccactggctg	480
cctcctgtga	gcaagagcag	ggccttggag	ctgcacacag	agctggagta	cagtgtgctg	540
agccaggaga	ctgagggcta	ctcaggctca	gatattaagc	tcgtctgcag	ggaagcagcc	600
atgcggcccg	tgaggaagat	ctttgatgca	cttgaaaatc	accagtcaga	aagcagcgac	660
ttaccaggga	tccagttgga	tatagtaacc	actgccgact	ttctggatgt	gctaactcac	720
accaagccct	ccgcaaagaa	tctggctcag	agatactcag	actggcaaag	agagttcgag	780
tctgtctgaa	accacattta	ccctgacctg	gccacaaagg	caaccacaaa	gacctcctag	840
tttattaatg	tccgtgggag	aacaaaatga	ttggaatgga	aaagagaaaa	ttatttttga	900
agactggatt	aacttgagcc	actgtattgt	tttggatagc	tgagatatat	ttattaactt	960
accattatcg	atgtcagcaa	aatattgaga	gtttcagtta	catacatata	tgtgctattg	1020
ggtcatacaa	tggagatttt	tctgacaatt	agactccata	aaattttaat	gaacaaa	1077

<210> 5095

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(376)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (5)...(332)

<223> similar to gi29648 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5095

ttcagagcttt	tacatcatag	agtctggcga	agtgagcatc	ttgattagaa	gcaggactaa	60
atcaaacaag	gatggtggga	accaggaggt	cgagattgcc	cgctgccata	aggggcagta	120



ctttggagag	ctagccctgg	tcaccaacaa	acccagagct	gcctcagctt	atgcagttgg	180
agatgtcaaa	tgcttagtta	tggatgtaca	agcattcgag	aggcttctgg	ggccctgnnn	240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnacta	tgaggaacag	ctggtgaaga	tgtttggtc	300
cagcgtggat	ctgggcaacc	tcgggcacat	ggggaatcaa	aggtggcatg	ccaagttcaa	360
ctcagggctg	aggag					375

<210> 5096  
 <211> 1538  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(311)  
 <223> similar to gi4572367 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5096	
tgcacctctg	tgcggagacc aaggatgatg ccctagcatg gaagacagca ctgctggagg 60
caaactccac	cccgggtgccc gtctacagcc cgtaccaaga ctactacgag gtggtgcccc 120
ccaatgcaca	cgaggccacg tatgtccgca gctactacgg accgccctac gcaggccctg 180
gcgtgacgca	cgtgatagtg cgggaggatc cctgctacag cgccggcgcc cctctggcca 240
tgggcatgct	tgcgggagcc gccactgggg cggcgtggg ctgctcatg tggctgcctt 300
gctggttctg	agccctggga ctcgagcac tgaccctgct gcttgattg ctgactcctt 360
cttcctcctg	gaccccatcc tctaccatcc aagccctgtc ccactttggc cctatcctct 420
ccattagctc	cttcggggtt tggaccattc cccccactcc ctacccttaa tccccacatg 480
ggaagaagct	atcatcacag gtacaaacat cgcttgaagt cttcacatct accactagac 540
acccccaaaa	tctgttatag acatttatgg atacatttcc tctaaacaca acagggcaca 600
gcaaatacga	cttcatttgg ctteagttc cccaggcgct gtagacacaa catgaatcgg 660
gctctctgct	ctctccttag ggagctcgag tcctggtggg gagaacagga gtaaacaagg 720
acttgacaaa	gctgaagagt tatcagtcct ttgacaagga cagggtggggc agggagcaag 780
acaggtaggc	tggaagaaca gttattggca agtatgcaga gccgtgaacg tcatggcatg 840
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gggccttcaa	gctaaggagc ttcctagggt aaaggggaga tgtgagcctt ctctggaggg 960
aagtttcatg	attgcatcta taatgaatat attgcctggt ttgtgaatac tgacacatgt 1020
ccatacctaa	aacactcctg agttaagtcc catccttccc acaaacagct tcctggctgg 1080
tacccatgat	aacaattgag ctgaacctgg ggaccctggt ttggggaaca ggtgagttct 1140
atttgagact	tccagcccta gaaagctgcc tccgtccaga aatgcctctc acaccaggag 1200
ctcgccctc	tctttgtagc tgtgactgtc accctctcag gctttgtctc atccttcatt 1260
ctgaataaga	tggcagtgtt ctctctggg gcctgatcca cctctacacc agcccaggaa 1320
gccccatctg	tgctgcccct caggtggtcc accagtctcc ccctttggtt cccttcaggt 1380
ctcttcccc	tttctatccc aatcaccaat agaaatgcta acatccctgc ctggtagcca 1440
gactagccca	ctaaagctcc cctgtaaatg ggggtcccat tagttctgct gccgagacta 1500
ataaagattt	ggttggctct agccgtacaa aaaaaaaa 1538

<210> 5097

<211> 426  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (19)...(340)  
 <223> similar to gi5771403 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5097

tttcgtgttt	cagaggcccc	tcggtttgag	tccatcatgg	aggacgtgga	ggtgggggct	60
ggggaaactg	ctcgccttgc	ggtgggtggc	gagggaaaac	cactgccgga	catcatgtgg	120
tacaaggacg	aggtgctgct	gaccgagagc	agccatgtga	gcttcgtgta	cgaggagaat	180
gagtgtcccc	tgggtgtgct	cagcacgggg	gcccaggatg	gaggcgtcta	cacctgcacc	240
gcccagaacc	tggcggtgga	ggtctcctgc	aaagcagagt	tggctgtgca	ttcagctcaa	300
acagctatgg	aggtcgaggg	ggtcggggag	gatgaggacc	atcgaggaag	gagactcagc	360
gacttttatg	acatccacca	ggagatcggc	aggggtgctt	tctcctactt	gcggcgcata	420
gtggag						426

<210> 5098  
 <211> 5205  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(2964)  
 <223> similar to gi5689401 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5098

ggaacctcaa	cccgggtgtg	gaggagaatt	tccactttga	atgtcacaa	tcctccgacc	60
gcatcaaggt	gcgcgtctgg	gacgaggatg	acgacatcaa	atcccgcgtg	aaacagaggt	120
tcaagaggga	atctgacgat	ttcctggggc	agacgatcat	tgagggtcgg	acgctcagcg	180
gcgagatgga	cgtgtggtac	aacctggaca	agcgaactga	caaactctgc	gtgtcgggtg	240
ccatccggct	ccacatcagt	gtggagatca	aaggcgagga	gaagggtggc	ccgtaccatg	300
tccagtacac	ctgtctgcat	gagaacctgt	tccacttcgt	gaccgacgtg	cagaacaatg	360
gggtcgtgaa	gatcccagat	gccaaggggtg	acgatgcctg	gaagggtttac	tacgatgaga	420
cagcccagga	gattgtggac	gagtttgcca	tgcgctacgg	cgtcgagtcc	atctaccaag	480
ccatgacca	ctttgcctgc	ctctcctcca	agtatatgtg	cccaggggtg	cctgccgtca	540
tgagcaccct	gctcgccaac	atcaatgcct	actacgcaca	caccaccgcc	tccaccaacg	600
tgtctgcctc	cgaccgcttc	gccgcctcca	actttgggaa	agagcgcttc	gtgaaactcc	660
tggaccagct	gcataactcc	ctgcggattg	acctctccat	gtaccggaat	aacttcccag	720
ccagcagccc	ggagagactc	caggacctca	aatccactgt	ggaccttctc	accagcatca	780
ccttctttcg	gatgaaggta	caagaactcc	agagcccgcc	ccgagccagc	caggtggtaa	840
aggactgtgt	gaaagcctgc	cttaattcta	cctacgagta	catcttcaat	aactgccatg	900

aactgtacag	cggggagtag	cagacagacc	cggccaagaa	gggggaagtt	ccccagagg	960
aacaggggccc	cagcatcaag	aacctcgact	tctgggtccaa	gctgattacc	ctcatagtgt	1020
ccatcattga	ggaagacaag	aattcctaca	ctccctgcct	caaccagttt	ccccaggagc	1080
tgaatgtggg	taaaatcagc	gctgaagtga	tgtggaatct	gtttgccccaa	gacatgaagt	1140
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ataacactca	acagctacga	gttcagctgg	agaagatgtt	cgaagccatg	ggaggaaagg	1680
agctggatgc	tgaagccagt	gacatcctga	aggagcttca	ggtgaaactc	aataacgtct	1740
tggatgagct	cagccgggtg	tttgcctacca	gcttccagcc	gcacattgaa	gagtgtgtca	1800
aacagatggg	tgacatcctt	agccagggtta	agggcacagg	caatgtgcc	gccagtgcct	1860
gcagcagcgt	ggcccaggac	gcggacaatg	tgttgacagcc	catcatggac	ctgctggaca	1920
gcaacctgac	cctctttgcc	aaaatctgtg	agaagactgt	gctgaagcga	gtgctgaagg	1980
agctgtggaa	gctggttatg	aacaccatgg	agaaaaccat	cgctcctgcc	cccctcactg	2040
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tgaaattgcc	aagccactca	gacggaaccc	agatgatctt	caatgcagcc	aaggagctgg	2160
gtcagctgtc	caaactcaag	gatcacatgg	tacgagaaga	agccaagagc	ttgaccccaa	2220
agcagtcgcg	ggttggttag	ttggccctgg	acaacatcaa	gcaatatttc	caacgcgggtg	2280
gcgtgggcct	caagaagacc	ttcctggaga	agagcccggga	cctgcaatcc	ttgcgctatg	2340
ccctgtcact	ctacacgcag	gccaccgacc	tgctaataca	gacctttgta	cagacgcaat	2400
cggcccaggg	cttgggtgta	gaagaccctg	tgggtgaagt	ctctgtccat	gttgagctgt	2460
tactcatcc	aggaactggg	gaacacaagg	tcacagtga	agtgggtggc	gccaatgacc	2520
tcaagtggca	gacttctggc	atcttccggc	cgttcatcga	ggtcaacatc	attgggcccc	2580
agctcagcga	caagaaacgc	aagtttgca	ccaaatccaa	gaacaatagc	tgggtcccca	2640
agtacaatga	gagcttccag	ttcacgctga	gcgcgcagcg	gggtcccag	tgctatgagc	2700
tgacaggtgtg	cgtcaaggac	tactgtctcg	cgcgcgagga	ccgcacgggtg	gggctggccg	2760
tgctgcagct	gcgtgagctg	gccagcgcg	ggagcgccgc	ctgctggctg	ccgctcgcc	2820
gccgcaccca	catggacgac	acgggcctca	cggtgctgcg	aatcctctcg	cagcgcagca	2880
acgacgaggt	ggccaaggag	ttcgtgaagc	tcaagtcgga	cacgcgctcc	gccgaggagg	2940
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cccagaccaa	ttgccaaagta	tggaaatctc	agctccctcg	agggggggcc	ctgggcaagg	3420
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gaggggggag	gatgggattt	caaaagcaca	tgccgccctg	ggcgcccaaa	ccctgggggc	3600
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aatgagagag	agagaaacac	aaacacagtg	acacagttag	agcttagtct	ccaagagcct	4200
attcattgat	tcaaacaccc	aagccacagg	atacctcaga	tggccctctt	gccagctgga	4260
agctctttct	ccaatgagca	aagttacagt	gacctggctg	gagttacctg	gtgcacatag	4320

gaccttaggg	gaaagttcag	cgtggactac	acttgctctg	ggatctgctt	ttccacatgt	4380
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gacatgacta	taatcccagc	atttggggag	accgaggctg	gcagatcact	taaggtcagg	4980
agtttgagac	cagcctggcc	aacatggcga	aaccccatct	ctgctaaaaa	tacaaaaatt	5040
agctgggtgc	agtgggtgcat	gcctgtagtc	ccagctactc	aggagactga	ggcggggagaa	5100
ttgtttgaac	cctggaggca	gaggttgtag	tgagtcgtga	tcacacaact	gcactccagc	5160
ctgggcaaca	gaacaatact	ccattccctc	ccctctaccc	cacca		5205

<210> 5099

<211> 2494

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2) ... (813)

<223> similar to gi5912067 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5099

gcctgagatc	tccaggggagc	aggccatcgc	gctcctcaag	gaccaggagc	cgggggcctt	60
catcatccgc	gacagtcact	ccttccgagg	cgcgtacggg	ctggccatga	aggtgtcttc	120
gccacctcca	accatcatgc	agcagaataa	aaaaggagac	atgacctatg	agctggtcag	180
gcattttctg	atagagactg	gccccagagg	agtcaagctc	aagggtgccc	ccaatgagcc	240
aaacttcgga	tcgctgtctg	ccctggtcta	ccagcactcc	atcatcccat	tggccctgcc	300
ttgcaagctg	gtcattccaa	accgagaccc	cacagatgaa	tcgaaagata	gctccggccc	360
tgccaactca	actgcagacc	tgctgaaaca	aggggcagcc	tgcaatgtgc	tcttcgtcaa	420
ctctgtggac	atggagtcac	tactggggcc	acaggccatc	tctaaagcca	catctgagac	480
gttggctgca	gaccccacgc	cagctgccac	catcgttcac	ttcaaagtct	ctgccagggg	540
aatcactctg	actgacaacc	agagaaagct	ctttttcaga	cgccactacc	ctctcaacac	600
tgtcaccttc	tgtgacctgg	atccacagga	aagaaagtgg	atgaaaacag	aggggtggtgc	660
ccctgctaag	ctcttcgggt	tcgtggcccc	gaagcagggc	agcaccacgg	acaacgcctg	720
ccacctcttt	gctgagcttg	accccaacca	gccggcctct	gccatcgtca	acttcgtctc	780
caaggtcatg	ctgaatgccg	gccaaaagag	atgaaccttg	ccccttgccc	agggccagtg	840
ccatggggaa	ggggcttgtg	gggaggggac	ccatgaatcc	tgaccactct	tgaaccagaa	900
aggaggactt	tgggccaatt	tcggaggaga	gaagaaagtg	caacgtgggg	agagggaagt	960
gaattgcaga	ggggaggggg	aaaagagaga	gagagagaga	gagagagaga	gagagaaaga	1020
tgggggagaa	gaacttggat	tcccctgggt	agatggaaac	tgcaaaaacc	caaagcctcc	1080
aaaactaacc	aggtccacct	aacacccctc	ccctccccta	agaagatgga	tgtcctcaaa	1140
agagaaggaa	caaacctcct	tgggaatcca	catttttttg	gggaatggaa	aagctctgtc	1200
tccctaactc	aactgctttg	caaggggaaa	tcaagctggg	agaatctttt	tctggccacc	1260
tgtagggtag	gttgtcaaac	caaacagagc	caccgtggga	catcaagtgg	aagaacttgt	1320

ttgcttgaaa	gtatctcaga	cccaaggcac	ctcaggtctc	tttgctgtgc	ctccactata	1380
ttgtcgtgtg	ggtgtgtgtc	tgcaccacaca	tcctcacaca	ttgatctaga	tctgccttta	1440
tccactcgaa	ttataaacag	ctcggcttgt	cttgttccca	tgtgtttgta	gacacacatg	1500
catactgtcc	aaagattagg	gttgggtggtg	gcagtgagc	aggggagggga	caaacaacca	1560
agctatgggt	gacagaggct	ctctcctggt	gcctgcacct	gcactctagt	gaccctgggt	1620
gccgccagac	ccttctcttc	tacaaagacc	ccagcaggag	tgaggagggtc	tgcaatggca	1680
tcgccctgtc	ctgccttggc	cagaagcctg	gagctttggt	ttgaggaggt	agagatatgt	1740
gtatccatag	gaagagatct	gtcagaacag	gcagctgttg	agctcggggt	gtcttcccca	1800
aggcatgtgg	ctcagcagca	agaaaggcaa	gttgtctctg	ctggggccct	ggactctgcc	1860
ttagctccca	cctctcagcc	ttgttattgg	gtttcatgcc	cctggaccag	ccttatctca	1920
gacctgctta	cctgcagat	gccttttttg	gggctgggga	ttgagtcttg	ctgctctgcc	1980
cagccctggt	ctattctgca	gggtccctgt	gttggaaatc	tccttgggga	acctactttc	2040
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agggtctggc	ttttgcaggc	accctctgac	ctcagcagag	ctcctgggcc	tgctgcctgc	2160
acaccacatc	gcctacctac	aatgccaaag	cctcactgtc	accctttctg	ccttgggttc	2220
cctagctgag	ccacgctgcc	catgcagcag	agggcagaag	gcttgcaact	gggccaagg	2280
gcctaaggtc	cactggacag	ttgggaaaac	acctgaccac	catttaagga	ctctaagcca	2340
gaatggaaaa	ttcaccagga	ctccattctt	aagcctatgc	gagtcacct	gagagaggca	2400
ttgtactgat	atataaatat	tatataatat	atacatgaga	catactgaca	gaatctgtaa	2460
gctaataaaa	tgtaagaaaa	ggttaaaaaa	aaaa			2494

<210> 5100

<211> 683

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(529)

<223> similar to gi2232013 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5100

gtatgggggtc	cacacaggaa	agaaaccaa	ctgttttggg	gaatatggaa	aaggcttcat	60
tccgaggctg	gatttgtgta	agcatgggac	gatccacaca	ggagagaaac	catataattg	120
taaagaatgt	gggaagagct	tcagacggtc	ctcctatctt	ttgatccatc	agcgagtcca	180
cactggagaa	aagccatata	aatgtgacaa	gtgtgggaag	agctacatta	ctaagtcagg	240
tcttgacttg	caccacagag	cccacacagg	agagagacct	tataactgtg	atgactgtgg	300
gaagagcttt	agacaggcct	caagtatttt	gaatcataag	agactccatt	gccgaaaaaa	360
accattcaaa	tgtgaggatt	gtggaaagaa	gcttgtatac	cggtcatacc	gtaaagacca	420
acaaaaaaac	cacagtggag	aaaatccatc	caaagtgtga	gactgtggga	agcgctacaa	480
gaggcgcttg	aatcttgata	taattttatc	attattttta	aatgacacgt	aagtgttgta	540
catatttatg	gggtacagtg	tgatatttaa	atatatgtat	atgatgtata	atgatcaa	600
cagtgttaatt	agcacattta	tcacctcaat	tatctctttt	ttgtgttgag	aaaattaaaa	660
attcattggt	ccaaaaaa	aaa				683

<210> 5101  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (52)...(139)  
 <223> similar to gi603672 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5101  
 aagcattgtg gaattgtggg tgtaagttt tgtttgtttg tttttaata ggcttattat 60  
 gcccgatgat ctctggctaa aaacctctac agcagggttg tttcatggtt ggtaaatacga 120  
 atcaatgaaa gcattaaggt actgaatttc tatgagcaaa atcagttgta ataaatggta 180  
 ttcacagtat aaacattaag ttgaagaaag tttaaattta taatcaaata attgattgcc 240  
 acttacaaag attattcctt aaaaagagtg taccatgtat aagattgaaa tttgtcaggg 300  
 attttgttta ttttgttttg ccatgtgtgt tgcttctgac tgggtgaatag tctgatgggc 360  
 tttgtggagt tactctggga gtcggcgctc cag 393

<210> 5102  
 <211> 1838  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(208)  
 <223> similar to gi1770576 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5102  
 tcagggttat gatgggtttt cattcattgg caaacctgga ccttacgagg tttctaagaa 60  
 gctgtatacc ttgaaacaaa gtttggccaa agtgagaaat gcttggtatg ccttgaaagt 120  
 cagagggtca gaaattccaa aacatatgtt ggcagatgtg ttttcagtta aaacagaaat 180  
 gatagatcaa gaagagggca tttcttagaa tctaactgta ctcagttact aattcctttg 240  
 agaactccta agagaccaat ttgtaagact tatttagtat ttcatttaac tttattgtgg 300  
 cttttacata gaaacatatt cagttgtact tgttttaaat tgtatacaag ctgtacataa 360  
 aattagccaa atgaatcatt tcttatatct tattcatgaa agtttgcata cagatgtttg 420  
 catatatgcc tttttgaatt tttgctgggt aacctttatc atttatcttt gtaatgtgaa 480  
 catgcttcag agtgtaacct ttgccataac ctattttaat ttactttttc tgaagtttgg 540  
 agtgataatt tttagtggaa gcaatttgta atttaagttg gtagttatat tatatataga 600  
 aaagattttt tagttaaact tctggacatg agcgtcctgt ttaaatttct tgtaaatatc 660  
 gtgccaagcc tcaaaaatag gcttattcca tggacaaga attaaaaatg aataagctat 720  
 caatatataa ttaagtaca agtttaggct gggcgtggtg gctcacgcct gtaatcccag 780  
 cactttggga ggccgaggta ggcagatcac gaggtcaaga gatcaagacc agcctgacca 840  
 acgtggcgaa acctcgtctc tactagaat acaaaaatta gctggatatg gtggtatgtg 900

cctgtaatcc	cagctacttg	ggaggctgag	gcaggagact	cgcttgaacc	tgggaggcag	960
aggttgcagt	gagccgagat	tgcgccactg	cactccagcc	tgggtaacag	agcaagactc	1020
catctcaaaa	aaaagaaaga	aagaaaaaaa	gaaagtacaa	gtttataaag	tattatagtg	1080
aaaaattcgc	attctggctg	attttaagcc	atttaaaatt	tatataaaac	aaccttccat	1140
aaaaatttga	caggtgccca	gatgttgctt	tctccattta	ttttttgttt	ttttttaatc	1200
acagtaggtc	tgatagagaa	ttggagctaa	attataatat	ttttgttggt	aaagttgagt	1260
tatatacttg	tacatacaat	ggaaatgctt	ttagtagtga	ttatttagca	atttttgttt	1320
ttgttatatt	aggcatgttt	ggaggctttc	ctattctagc	atttaaattt	aaattttatt	1380
aaaattaaat	aattttaaate	tagcatttaa	atttaaataa	tttaagtcta	gcattttactt	1440
ttaaataaatt	ataatgaagt	tttgaaatac	taagttaate	cagaccttta	gttggtcccat	1500
ggtgttaata	aagttgccaa	agaagatgta	ttatgaacaa	ttcagcaata	agacaattgt	1560
caacacagtt	gagaataaca	atggtaatcg	ttagtaatat	ttagaattgg	aatttgcccta	1620
ctgaaatagt	tatagatgat	tacttgtgat	gtgaaactga	attgagcatg	acaaccagac	1680
atttccagtt	ggttttgtaa	gttttgagaa	tctagatact	gggtttttatt	ttttgaaaga	1740
ttagctctgt	ttgtaagggc	tgattccttg	aaaatgtaat	tttccagaaa	aacacctaaa	1800
gaaaataaaa	catggacatg	cctagtaaaa	aaaaaaa			1838

<210> 5103

<211> 1646

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (40)...(291)

<223> similar to gi606976 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5103

taccgggccc	gaatctcccc	cgctccgccc	cgcgctccgt	tcattctatca	cctgcctcag	60
gagtttggtg	atgcggaact	catacagaca	ttcctgccct	ttggagccgt	tgtctctgt	120
aaagtctttg	tggatcgagc	caccaaccag	agcaagtgtt	ttgggtttgt	tagttttgac	180
aatccaacta	gtgccagac	tgtatttcag	gcgatgaatg	gctttcaa	tggcatgaag	240
aggetcaagg	tccagctaaa	gcggcccaag	gatgccaa	ggccttactg	acctgctttc	300
actgaccagc	cacagaaaga	aacagaagag	tgagaagaaa	ggagaggaaa	agcacagaaa	360
cgcttgagca	gccctttccc	gaaggagcag	ctgcggacgg	aggtggatcg	gacccaaggc	420
tggtgcctgg	ggctaaggcc	actctaagga	ttgtttttat	caagtgggtt	gttctgtgcc	480
tgcagcatag	agcgcaggct	ggcagagcaa	atagggtctg	tgaggagtga	ctgtccaggg	540
gaaccagcag	agggcgttgg	gggtgccaa	ggcttctccg	caagggaagc	ccagatttac	600
ttctttcaaa	atcatatcat	tccttagagt	ttagggacca	aaggactatt	gcttttttaa	660
gaatatatat	atctatataa	attaaaacaa	agaaacaaac	aaacaaaaaa	caagacaaac	720
aactacaaaa	aaagacagta	tagagtctca	taaaagctgc	ctttaaatat	ccctaggaga	780
cagggtgaag	gagacccttg	acagccccag	cctaggcaga	tgggggctgt	ggaaagattg	840
ttctgtgtct	cattccctct	taagccaactc	ccccaccctg	ccctttttaa	aataattaag	900
gatttgaggt	ctaggctcac	atgcaggtaa	ttagaacgtt	atggaagcag	tgaaccaca	960
atccacaatc	cccaaactca	gagtgcattc	cagaagaggc	cccaggcaga	gctcaggttg	1020
gccctggcct	tgccatccc	gggaggcccc	ctagccagca	agagtgggat	tgcttttctt	1080
gtggaaccac	tgcttcccca	ggcggaaga	aagagggagt	tctggccacc	tgagcctttc	1140
ccttgccaat	ccaggaagac	agaggccctg	cctttggctg	agctgagaca	cctcctgttt	1200
cccttccctt	tgaaccagtc	ccagtgtccc	cttgtctccag	gtctctctct	gtctcttagt	1260

ctaagtttgc	ccacctgtaa	agtagattca	ggatatctgt	agagggctgt	gacaacagac	1320
ttggaagggt	tgctactgta	tatactgcc	ttgagaaggg	gaaatttttc	aatatgtaga	1380
agcttcagaa	ttagagggtc	ctctttaccc	cagacctggg	agggaagtag	atgttttgcc	1440
aaaatacttc	ttcattcctt	taaaaactac	atctttccta	tgcaagagtg	tctcacatgt	1500
gcttaaccga	ggtgcttcta	gttggtgagc	agtgttgagc	ttaaaagtg	ggtgtgctct	1560
gtctgtctgt	ctttgtctgt	ctgttgata	cagtgggtgc	catataaagc	tgatcaatgg	1620
tggtgcttcc	tgctggctt	ctgtgg				1646

<210> 5104

<211> 1746

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (699)...(1629)

<223> similar to gi3851703 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5104						
gcggccgcct	actggagaca	ctccctcccc	cctcccgggt	ctcctggcgg	cggcggagtg	60
aggctgacag	cgtgggaacc	tgtggagacc	cctccgcct	ccccgcggtg	gcagcggccg	120
atccccggct	ccggcgcgag	acgacggccg	cgatgcgtc	ggcctgaggt	taccggggcc	180
cgcccttttc	ctcgcttccc	tcgactattc	cactgcgtct	ccgcgccccg	gcgtcatcct	240
gcgagtcctt	ctgacgggag	ggaagatggc	tgacacggagc	tggcaggacg	agctggccca	300
gcaggccgat	ggagggctcg	gccggacatg	cgggaaatgc	tctcggtcgg	cctaggcttt	360
ctgcgcaccg	agctggggcc	tcgaccttgg	ggctggagcc	gaaacggtac	cccggctggg	420
tgatcctggg	gggactggc	gcgctcgggc	tgctgctgct	gtttctgctg	ggctacggct	480
gggcccgcgg	ttgcgcgggc	gcccgcacaa	agcggaggag	cccgcgccgc	aagcgggagg	540
aggcggcgcc	cgtgccggcc	gcggcccccg	acgacctggc	cttgctgaag	aatctccgga	600
gcgaggaaca	gaagaagaag	aaccggaaga	aactgtccga	gaagcccaaa	ccaaatgggc	660
ggactgttga	agtggctgag	ggtgaagctg	ttcgaacacc	tcaaagtgt	acagcaaagc	720
agccaccaga	gattgacaag	aaaaatgaaa	agtcaaagaa	aaataagaag	aaatcaaagt	780
cagatgctaa	agcagtgcaa	aacagttcac	gccatgatgg	aaaggaagtt	gatgaaggag	840
cctgggaaac	taaaattagt	cacagagaga	aacgacagca	gcgtaaacgt	gataaggtgc	900
tgactgattc	tggttcattg	gattcaacta	tccctgggat	agaaaatacc	atcacagtta	960
ccaccgagca	acttacaacc	gcatactttc	ctgttggttc	caagaagaat	aaaggtgatt	1020
ctcatctaaa	tgttcaagtt	agcaacttta	aatctggaaa	aggagattct	acacttcagg	1080
tttcttcagg	attgaatgaa	aacctcactg	tcaatggagg	aggctggaat	gaaaagtctg	1140
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caaatggaaa	agactgggga	aggagtggga	gtgaccgttc	aatattttct	ggcattgggt	1320
ctactgctga	gccagtttct	cagtctacca	cttctgatta	tcagtgggat	gttagccgta	1380
atcaacccta	tatcgatgat	gaatggtctg	ggttaaatgg	tctgtcttct	gctgatccca	1440
actctgattg	gaatgcacca	gcagaagagt	ggggcaattg	ggtagacgaa	gaaagagctt	1500
cacttctaaa	gtcccaggaa	ccaattcctg	atgatcaaaa	ggtctcagat	gatgataaag	1560
aaaagggaga	gggagctctt	ccaactggga	aatccaaaaa	gaaaaaaaaa	gaaaaagaag	1620
aagcaggggtg	aagataactc	tactgcacag	gacacagaag	aattagaaaa	agagattaga	1680
gaagaccttc	cagtgaatac	ctctaaaacc	cgtccaaaac	aggaaaaagc	tttttccttg	1740
aagacc						1746



<210> 5105  
 <211> 3172  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (3)...(2191)  
 <223> similar to gi3319990 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5105

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tgtgggtttt	tgactaaagt	cacatgtatg	tattaaacat	tgaggctctg	tagaggagag	3060
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<210> 5106

<211> 5618

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5619)...(4060)

<223> similar to gi5689389 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5106

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<210> 5107

<211> 2291

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (308)...(1609)

<223> similar to gi3043632 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5107

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gagttatgaa	agattggata	atgatactaa	tgcaaccaag	gcagatgttg	aaaaggccaa	480
acagcagttg	aatctgcgta	cgcatatggc	cgatgaaaat	aaaaatgaat	atgctgcaca	540
attacaaaac	tttaattggag	aacaacataa	acatttttat	gtagtgattc	ctcagattta	600
caagcaacta	caagaaatgg	acgaacgaag	gactattaaa	ctcagtgagt	gttacagagg	660
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<210> 5108

<211> 613

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (616)...(321)

<223> similar to gi4008577 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5108

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tcccagcgat	atccaggcca	gatattaaat	ctgttgggag	gaggtgctgg	accactgtag	480
cgaggtctca	cttttttatt	cttggtctcc	ttggccttat	tcttcttgat	gaagttggcc	540
atagggtccc	cctctctttc	ctgttctctt	agcctcctat	ccagatcttc	gtcatcaata	600
tagcgggcca	gag					613

<210> 5109

<211> 2423

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2424)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (2173)...(1415)

<223> similar to gi4235226 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5109

tttttttttt	ttgagagaat	tcataaatat	tagttaagga	tctaaaacaa	acttctcaaa	60
taactgaaag	ctgaaagcct	ctggaagcca	actgtccctg	cacaaagggt	tacaattgag	120
aaatatctcc	tggtcctatt	ttgtcaagtt	tctttaatgg	ctgaacagaa	agaagcttca	180
agtaatggag	aaggcattgt	ctgagtgcag	ctgctttcct	gggacgcctg	tgccgttctt	240
gtcttccaaa	tcctatgctt	gggaggcccc	tgggaggtac	atttttgcca	gggaaccaac	300
ctgaccttaa	aaagatgagt	gtgacacagc	cggctgggca	ggaggatgga	ggttgccaca	360
gggacaccac	ctggcccacg	ccctgggnca	gcctgggcat	gttttgccga	gttcggggga	420
gggccacccc	acccagaggg	cacagggcaa	accctaagca	cgggggtatt	gcccttgaag	480
ccccagggga	tgccctgtgc	cggatcctca	tgccctattg	actagcctgc	ttgctgaagg	540
agcccagggg	cctgagcctg	caacactgca	aggggtgaga	agggcatgct	gctgtgggcg	600
cactggactc	aaacctcaca	ttagaagcta	caaagaaccc	caaatgcgct	tcagagcccc	660
accaaccccc	aagccaggct	catccttgac	acagtgaatc	cactgcagcc	cccgtgggaa	720
actctgtgcc	aattgactgc	ttaaagaact	gggggaaata	gaaagccgag	aaagagctcc	780
gatacacaag	ggaaaccgca	cgtgagaacc	agcactccca	gcagggagac	gtcactctcc	840
agaggccaca	gagatggcag	acacctctgt	ctccacaatg	accccatatc	cnaactgaaa	900
gtgtgcagga	agacaggctc	attgacactg	aaatctagaa	atcaagggtc	acaggcgaat	960
ggaggcatct	tcagccctga	ggaggccagg	ctgtgtctcc	tgacgcccct	gaggggtggc	1020
acagcagcca	gctctgtgtg	ggcggagtcc	acgtggtcct	cattctcttc	cctggggaca	1080
gggcagcaca	gtcagatgct	gagactgagg	ccacacacat	gggggcgcct	tcctgccttg	1140
gcccggcccc	gctgcctctg	gagccaggag	gccgtggcag	ccacaccaca	gtgtggatcc	1200
agacacgatt	ctgtggaggg	gttccgggat	tccagacaga	ctgaatctcc	atggaatgat	1260
gaaaattaaa	atttacttga	ttatggaagt	ctctgattta	ttccagccaa	aatattagat	1320
gagccactga	gaatcaccac	aaagcaatcg	ccctcacggc	ccttgccagg	gtgacggcac	1380
agcaggagga	caggtgccca	ggccagtggg	tctagctctt	cacctctgcg	acctccttct	1440
ctgccttctc	tttggccttc	tccttctcct	ccaccttctc	ctctttttcc	agtgttgcta	1500
caatctcagc	cacctggctg	gtggagatgt	gaacatcttc	tttgtccacc	agctcaatca	1560
ccttgacgag	gtcgtcgatg	ttgaccttgc	catccttggt	ttcatccagt	gctgcggcca	1620
ggctggtgag	cttgctttcg	ggaatgtgct	tgacttgctt	catggcggtg	atgagctcag	1680
cgacactgat	gacgttctcc	cccgtgggca	tgccgttggc	cggggccagc	ttgccagcct	1740
gctggtccat	ctccagctgc	gagatcaagc	catcgatctg	cccgatcatt	tgctgcaccc	1800
tttttgtaaa	tctcttgctg	gctttagatt	cttccacgta	tttttcttca	ccagtctttg	1860
aaagtctcct	cttgatctcc	tgcaagtcc	cgtgtagtc	ctgcacatcc	tccttcagca	1920
gctccagctc	ctccttctcc	ttggtgagtg	acttcttctg	ctcctgcagc	ttagagcagg	1980
catcgctgag	gatgtcgatt	tcctccttcg	tgatctcttc	ctccttcaag	ccctccagca	2040
ccggggcagt	gtccttcaag	gtctctgact	gcaggactgt	gtcaggcatt	tctggctgtg	2100
gctcggctcc	cggccttttg	ggagcagcta	ccacacgttc	gggctcaaaa	tccttctgaa	2160
aggcaaggcg	acaccagccc	agcgcccgc	atcacacaga	agcagtcttc	ttgctccccg	2220
aagctcagaa	catatggcag	aggccacact	gggagcaggc	ctgcagggtga	cattgggcag	2280
cacacctgcc	acagaaggtc	cctagggagg	ctccatgcag	ctgccaggtc	acctggggcc	2340
ctctccagaa	caggctagag	caccttatcc	atctctggtc	tccccaagac	tcccccaagc	2400

<210> 5110  
 <211> 2266  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(884)  
 <223> similar to gi5813803 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5110

atggagtatc	ccgcgcgggc	cacggtgcag	gccgcggacg	gcggagcggc	cgggccttac	60
agcagctcgg	agttgctgga	gggccaggag	ccggacgggg	tgcgctttga	ccgcgagagg	120
gcgcgccggc	tgtgggaagc	cgtgtccggt	gcccagccgg	tgggtagaga	ggaagtggag	180
cacatgatcc	agaagaacca	atgtctcttc	accaacaccc	agtgttaagg	ttgctgcgcc	240
ttgcttattt	ctgagtccca	gaagctggca	cattaccaga	gcaaaaaaca	tgccaacaaa	300
gtgaagagat	acctagcaat	ccatggaatg	gagacattaa	agggggaaac	gaagaagcta	360
gactcagatc	agaagagcag	cagaagcaaa	gacaagaacc	agtgtgtccc	catctgtaac	420
atgacctttt	cctcccctgt	cgtggcccag	tcgcactacc	tggggaagac	ccacgcaaag	480
aacttaaagc	tgaagcagca	gtccactaag	gtggaagcct	tgcaccagaa	tagagagatg	540
atagaccagg	acaagttctg	cagcctctgc	catgcaactt	tcaacgaccc	tgtcatggct	600
caacaacatt	atgtgggcaa	gaaacacaga	aaacaggaga	ccaagctcaa	actaatggca	660
cgctatgggc	ggctggcgga	ccctgctgtc	actgactttc	cagctggaaa	gggctacccc	720
tgcaaaacat	gtaagatagt	gctgaactcc	atagaacagt	accaagctca	tgtcagcggc	780
ttcaaacaca	agaaccagtc	acaaaaaaca	gtggcatcat	ccctgggcca	gattccaatg	840
caaaggcaac	ccattcagaa	agactcaacc	accttgggaag	actagagggtg	attctgccca	900
gcatcccata	ttgggccagc	catgagccag	cttcccgtga	ctgctcagcc	cttggctccc	960
tcttgctcgt	tgttctcacc	aggaaagtac	acgggcctga	ggcaggattg	ggccacagac	1020
agcctctcat	tggtcggggc	taattcactc	ctgctgtctc	cctttggcag	gggtcctgta	1080
ggtcatgaca	ggggaggcaa	gggtatttag	agactcgggg	tctcgcgggg	tggtagtttg	1140
gagggtggct	ttccccattt	cccaaccctc	ctgggcctta	ggtgctgagg	cccctgccac	1200
ctgtctttcc	tctaaaaggtc	agttttgggc	cagttcttgc	aactaaagag	cagagatctc	1260
tctggggcct	agacatttcc	agcaaaacct	ggaactttca	tgccaaacct	ggggcagggc	1320
aggaaacaga	ggaaatggct	gcaacatggg	agcttggagc	taatacgaca	ctctgccttc	1380
ccccagaagg	tgcaggcttt	cctgagctct	agaccagata	tggccagttg	cgcaggtttc	1440
tgccaactgt	gaagtatcct	cctggagcag	tgacacaatc	ttggcggagc	attgctaacc	1500
ccgctgtccc	ctccacagtt	cctgaatggt	gctaaggatc	tgcagcagtt	ggcaacgagc	1560
tggggctggg	ggcggcctcc	atgtccactg	agatcatagg	acactccaat	ggggatggga	1620
cctttcccct	cctccatcag	aggtgtctctg	accctaggtt	acacgggaaa	gtgccccaca	1680
tgcaagtctc	cctgagggtt	ctgcccctaa	aggcagactg	cctcatgccc	gctagctgtg	1740
aggttcattg	ctaccctcgg	ccctactagc	cctctcttcc	cccttgtgca	gcggaccact	1800
tgcccagttt	gctgtgggtc	tagccttccc	catcatccac	cgggtgattt	ctgggtccca	1860
gggaaagaaa	gagagagctg	atgcaggttt	ctacagttag	gaacaggcgt	ttcccaggcc	1920
ccacaccccag	atttctctat	ctttgctgtg	ttttatggcc	tgggacttag	tccacacgga	1980
tagatttttc	cttgtaacct	tgagacgaga	attccaagga	gtgtcaccat	cagaggcttc	2040
tcttcattgt	gtcaaagaag	cccctagctg	ctctcgtggc	ctccttcccc	cactccctat	2100
cccttcacct	gtgaaatgcc	tttgctttgc	atattgtgtg	tggatgtgtg	tgtgtgtgtg	2160

```
tgtgtgtttg tgtgtatgtg tgtgtttctg tgtgtgcta atgctctgtc tcttggtcac 2220
tgaagcatcc aaataaagaa tttccctcat gggccagact acaaaa 2266
```

```
<210> 5111
<211> 1041
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (122)...(539)
<223> similar to gi2832266 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5111
cactaacctg cccctactgc tggagctgcc cacacggtgg tccccgacct tggggcccaga 60
ccggcacggg gctccgga aaactgcttg ggctgagcgg atgccccgag ccccgggcgg 120
ctttgagtgc ttccactgcc acaaacccta ccacacgtg gccgggctgg ccaggcaccg 180
gcagctgcac tgccacctgc agggggggcg tgtcttcacc tgcaagtact gcgacaagga 240
gtacaccagc ctgggtgccc tcaagatgca catccgcaact cacacgctgc cctgcacctg 300
caagatctgt ggcaaggcct tctccaggcc ctgggtactg cagggccatg tccgcaccca 360
cacaggggag aagccctatg cctgctcgca ctgcagcagg gcctttgccg accgctccaa 420
ccttcggggc catctgcaaa cgcactcaga cgccaagaag taccggtgcc ggcgctgcac 480
caagaccttc tcccgcctgt cctcctggc gcggcatgag gagtctggct gctgcccggg 540
cccctgagag gcacgtggtc ggcgaggtta ggaggatgg tctcaccgg gagagctggc 600
gtccctcctg cccccagagg agccaggagt ctgggagggc ggggcctggc ctcacacttg 660
gtgcgtcctc cacatctgcg tccaatcaga accaaagaag tccagcgggg gccactgggc 720
cggaggacac tccccaggc atcccaccgc gcggagccca ctgagaggag actcctctcc 780
cggggaaggc tttcatcaga acaagagcca tggttccatt tcgacacggc caggtctccg 840
gggtaccct tccaagagtc agagcctcgg ggaggtggcc gccagcatgg gccggcactg 900
ccgccgatg gctggcaagg ctgcctagtt cccttgagc agaaatgaac agttctgact 960
tatagtgagc acggccctgt ggcccttct cagtaggcac aactacctct cagccagccc 1020
ccgccagcct ttggtttggg g 1041
```

```
<210> 5112
<211> 1698
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1699)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
```



<222> (1)...(1090)

<223> similar to gi2589009 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5112

taccctccaa	atagcaaatg	tacttgga	atcacagttc	ccgaaggaaa	agtagtcggt	60
ctcaatttcc	gattcataga	cctcgagagt	gacaacctgt	gccgctatga	ctttgtggat	120
gtgtacaatg	gccatgccaa	tggccagcgc	attggccgct	tctgtggcac	tttccggcct	180
ggagcccttg	tgtccagtgg	caacaagatg	atgggtgcaga	tgatttctga	tgccaacaca	240
gctggcaatg	gcttcatggc	catgttctcc	gctgctgaac	caaacgaaag	aggggatcag	300
tattgtggag	gactccttga	cagaccttcc	ggctctttta	aaacccccaa	ctggccagac	360
cgggattacc	ctgcaggagt	cacttgtgtg	tggcacattg	tagccccaaa	gaatcagctt	420
atagaattaa	agtttgagaa	gtttgatgtg	gagcgagata	actactgccg	atatgattat	480
gtggctgtgt	ttaatggcgg	ggaagtcaac	gatgctagaa	gaattggaaa	gtattggtgt	540
gatagtccac	ctgcgccaat	tgtgtctgag	agaaatgaac	ttcttattca	gtttttatca	600
gacttaagtt	taactgcaga	tgggtttatt	ggtcactaca	tattcaggcc	aaaaaaactg	660
cctacaacta	cagaacagcc	tgtcaccacc	acattccctg	taaccacggg	tttaaaaccc	720
accgtggcct	tgtgtcaaca	aaagtgtaga	cggacgggga	ctctggaggg	caattattgt	780
tcaagtgact	ttgtattagc	cggcactgtt	atcacaacca	tcactcgcca	tgggagtttg	840
cacgccacag	tctcgatcat	caacatctac	aaagagggaa	atttggcgat	tcaggaggcg	900
ggcaagaaca	tgagtgccag	gctgactgtc	gtctgcaagc	agtgcctctc	cctcagaaga	960
ggtctaaatt	acattattat	gggccaagta	ggtgaagatg	ggcgaggcaa	aatcatgccca	1020
aacagcttta	tcattgatgt	caagaccaag	aatcagaagc	tcttgatgc	cttaaaaaat	1080
aagcaatggt	aacagtgaac	tgtgtccatt	taagctgtat	tctgccattg	cctttgaaag	1140
atctatgttc	tctcagtaga	aaaaaaaata	cttataaaat	tacatattct	gaaagaggat	1200
tccgaaagat	gggactgggt	gactcttcac	atgatggagg	tatgaggcct	ccgagatagc	1260
tgaggggaagt	tctttgcctg	ctgtcagagg	agcagctatc	tgattggaaa	cctgccgact	1320
tagtgcggtg	ataggaagct	aaaagtgtca	agcgttgaca	gcttggaagc	gtttatttat	1380
acatctctgt	aaaaggatat	tttagaattg	agttgtgtga	agatgtcaaa	aaaagatttt	1440
agaagtgcaa	tatttatagt	gttatttgtt	tcaccttcaa	gcctttgcc	tgaggtgtta	1500
caatcttgtc	ttgcgttttc	taaatcaatg	cttaataaaa	tatttttaaa	ggnnnnnnnn	1560
nnnnnnnnnn	nnnggggggg	ccgttttaaa	gaatccttgg	gggggccaaa	gtttacgcgg	1620
gcttgcaacg	gaatagtttt	ttccttatag	ggggcggtat	tataacctac	ctgggaattt	1680
ttggaaagga	cctttact					1698

<210> 5113

<211> 2185

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2011)...(1170)

<223> similar to gi1572802 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5113

tttttttttt	ttgagtttcc	aaaattagaa	tttatttcag	tttctaagga	atgaatcccc	60
gagtgtggca	ggaaggacac	agccggctcc	tgacgcacac	ctgatttgat	tcaacaccga	120
gtcggcacag	acacaaccag	agatggcctg	ggtccaggct	ggggtgcac	gggctgtgtc	180
ctggacagcc	aggagggagg	ccccgcacac	agacggccgc	cgggcagggg	gcctgagcgg	240
gacaggcctg	gccacagccc	atgtccttgg	ccttccacat	aggtgcacac	attgtctgcc	300
cagagagggc	caagatgccc	caggcacccc	ttcgctccgg	gggctcagga	cacaggctcc	360
cagctgaggc	cacgcctgga	cccagagctg	atgtttggct	gcacgcgagc	ccactcggga	420
cagacccaag	aacacgaatt	ctgtcccttt	ggatttaagg	ctgggtgttt	ttgacattta	480
cttcagtttt	tctctctgaa	attaaaatta	cctgagtaaa	agattttaag	acattaaaaa	540
agccaaaaac	acagaatccc	tgcaggcaga	cgggtgccagg	gaggtggcgg	ccagggccag	600
gatgccaggg	gcacggtggg	gtcggctgga	gctccagggc	tgggcctttc	ccagtctcgc	660
ctgccctgga	gccccagga	gccgcccctg	ggcgcacgct	cctgtggccg	gagcacagga	720
aggcacagtg	aggtagggac	agtggccatt	gtcccccgcc	tgccaccagg	gctgagaggg	780
cagcgcacgc	ctcggccccct	cctataagcc	cctgccccct	cggagctggg	tgtcttgtcc	840
agaagccggg	gaacggcccc	tgcagtgtgg	gaggggaggg	gctgccggga	ggcctgagct	900
cagacagtta	aataatcctt	tatttgggtg	ggctggggga	ggggtgactg	gcccaggagg	960
gcaggcgagg	ccgggcccag	accccccattg	ggggtggcag	gggcctcggg	cgggctagga	1020
tgcacctggc	accagaagt	gccgcggggg	cactggtctc	tcaggggccc	gagcgggcgg	1080
ggagcagtct	cctacttgtg	ccgggcctcg	gtcaccctct	gcaggcagta	ctgcgcggcg	1140
ggcagcgaca	ggaccaggct	cgcggtgcgg	cggccccatcc	agtacaggct	gtagcccagc	1200
aggccgaaga	aggcggcctt	cacggccaac	cgagacactc	tgccggagac	ggacggcggg	1260
ggcacggtca	tgatctcctg	gatgttgagg	tcggtgctcc	agttcttctc	gatgccaggc	1320
acgtggccca	tgcacagac	gcccacgacc	acggagggga	cgcacttctc	gggctcggcg	1380
tcagaggccc	gaggcagctc	gaggcgccgc	gcggcctggc	gcagcatgta	ggttaggtag	1440
acgtcgcgct	ccgagacgat	ggtgcggtgc	aggtctggga	actcgccaat	catctcggcc	1500
atcatctgct	ccagttagtc	cttctgcttg	cagcgttcca	cgtcatcctt	gctgatgggg	1560
tctgacagga	agcacaggcc	ccaagccagc	ctgaccttct	gccagaagga	gagcgctgcg	1620
atggccctct	tgaaggtgac	ggggatgggt	cggtcaccca	ggtggaactt	gcagaaaggc	1680
accttgctgg	cctccttgaa	ggcctccctg	aactcgccac	ctggggccat	gcccagctgc	1740
tcggtgatgt	gtgcagacac	cttcagcagc	agcatctgca	tcagccccga	catgagcccg	1800
ttctgcctca	cggcctgctg	cagcttctcc	aggtgagct	cctgggcctc	ccgcagcagc	1860
gtgctctcgt	ccatcttcag	catggacaca	cgatattggc	agagctccac	gaccaccacg	1920
tcaggctgca	cctcccggat	ggtcttcaca	acgtccctct	tgctgtcgtc	gctgaagtgg	1980
gctgtcccca	ccacgtacac	cctgctcccg	tcctcagcca	ccaactgggt	cacagtgcgc	2040
ggcaggttgg	gccgctgacg	ccgcgccttc	agcttcctct	ccaggagcag	gttgaaggcg	2100
tccacgtcgg	acaggttctg	ggggtctcca	gaaagcacc	tgggcaccgg	ctctgaagcc	2160
acgaaatcgt	cgacccggga	attcc				2185

<210> 5114

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(315)

<223> similar to gi5103027 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5114

ccccggccac	ctaccaccca	ctccactcca	acctccaagc	ccacctgggc	cagctttccc	60
cgctcctga	gcacctggc	ttcgacgccc	tggatcaact	gagccagggtg	gaactcctgg	120
gggacatgga	tcgcaatgaa	ttcgaccagt	atttgaacac	tcctggccac	ccagactccg	180
ccacaggggc	catggccctc	agtgggcatg	ttccggtctc	ccaggtgaca	ccaacgggtc	240
ccacagagac	cagcctcadc	tcggtcctgg	ctgatgccac	ggccacgtac	tacaacagct	300
acagtgtgtc	atagagctgg	aggcgccccg	tcgggtcagc	cctcgcgccc	tctccttct	360
gtgccttgag	tggcagagga	gccgtccagc	cacaccagct	ttcctccac	c	411

<210> 5115

<211> 2065

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (685)...(959)

<223> similar to gi3875176 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5115

cggaagcggtg	ggctcgcgta	gccgtgcgcc	gattgcctct	cggcctgggc	aatgggtccc	60
gctgcccgtc	gacgaccgcc	ccggtcatg	cggtcctcg	gctggtggca	agtattgctg	120
tgggtgctgg	gacttcccgt	ccgcgcggtg	gaggttgag	aggaaagtgg	tcgcttatgg	180
tcagaggagc	agcctgtctc	ccctctccag	gtgggggctg	tgtacctggg	tgaggaggag	240
ctcctgcatg	acccgatggg	ccaggacagg	gcagcagaag	aggccaatgc	ggtgctgggg	300
ctggacaccc	aaggcgatca	catggtgatg	ctgtctgtga	ttcctgggga	agctgaggac	360
aaagtgagtt	cagagcctag	cggcgtcacc	tgtggtgctg	gaggagcgga	ggactcaagg	420
tgcaacgtcc	gagagagcct	tttctctctg	gatggcgctg	gagcacactt	ccctgacaga	480
gaagaggagt	attacacaga	gccagaagtg	gcggaatctg	acgcagcccc	gacagaggac	540
tccaataaca	ctgaaagtct	gaaatcccca	aaggtgaact	gtgaggagag	aaacattaca	600
ggattagaaa	atttcaactt	gaaaatttta	aatatgtcac	aggaccttat	ggattttctg	660
aacccaaacg	gtagtgaactg	tactctagtc	ctgttttaca	ccccgtgggtg	ccgcttttct	720
gccagtttgg	ccctcactt	taactctctg	ccccgggcat	ttccagctct	tacttttttg	780
gcactggatg	catctcagca	cagcagcctt	tctaccaggt	ttggcaccgt	agctgttcct	840
aatatttttat	tatttcaagg	agctaaacca	atggccagat	ttaatcatac	agatcgaaca	900
ctggaaacac	tgaaaatctt	catttttaaat	cagacaggta	tagaagccaa	gaagaatgtg	960
gtggtaactc	aagccgacca	aataggccct	cttcccagca	ctttgataaa	aagtgtggac	1020
tgggtgcttg	tattttcctt	attcttttta	attagtttta	ttatgtatgc	taccattcga	1080
actgagagta	ttcgggtggct	aattccagga	caagagcagg	aacatgtgga	gtagtgatgg	1140
tctgaaagaa	gttggaagaa	ggaacttcaa	tccttcgttt	cagaaattag	tgctacagtt	1200
tcatacattt	tctccagtga	cgtgttgact	tgaaacttca	ggcagattaa	aagaatcatt	1260
tgttgaacaa	ctgaatgtat	aaaaaaatta	taaactgggtg	ttttaactag	tattgcaata	1320
agcaaataca	aaaatattca	atagatgcac	tattcttggt	tttactgcat	gaacgtaac	1380
cagtatttgg	aaagtaatcc	agtttgaaat	gtgaagatgt	attccggcag	aatagttagt	1440
agaatgacat	gcttactata	cagaaggcaa	aaataggact	ctcaggtaat	agtttaagga	1500
aacccttgat	tccttatata	tgtttaagaa	ggttagtttt	ctgtttcttt	gcagtttttc	1560
ttctagagtc	catagcagga	aagtatgtaa	ccagaattgg	ttagtgtgac	cccctcaagt	1620
agcaagtgat	ggaaaataag	agtcaaatac	cttgatgttt	gtgatctcta	actcaaaaaa	1680
tttgaagtgt	tttaagttgt	ttctgggtaa	gggagatgtt	aggagaaagg	aaatgctgta	1740
actaaagctc	aattattatc	agttctatgc	taacgtatac	attttaatca	tagttacctc	1800

agcagcatgc	attaattgaa	ccttaaaatg	ttcccaactgc	gcctggccta	aacaaacttt	1860
ttgaaaagct	gtttctaaaa	gattccttaa	attcagatat	gacagcta	tacctcatca	1920
taaattactt	ttataactaat	tgtttccagg	gttttagagt	agttgaatgt	ttatttcaca	1980
aggcacccta	aattctatag	aaataaaaacc	tcagatgagt	ctccttctta	gagtggtaca	2040
atgaatggga	gtttacactt	ttatg				2065

<210> 5116

<211> 2276

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (271)...(492)

<223> similar to gi3877645 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5116						
gaagagtgtg	cgccaggggg	ctgcctgatg	gagctatgca	tccagctcag	catcgctcatg	60
ctggggaaac	agctgatcca	gaacaacctg	ttcgagatcg	gcatcccgaa	gatgaagaag	120
ctcatccgct	acctgaagct	gaagcagcag	agccccctg	accactagga	gtgtgtgaag	180
aggaaacagc	ggtacgaggt	ggattacaac	ctggagccct	tcgcgggcct	caccccagag	240
tacatggaga	tgatcatcca	gtttggcttc	gtcaccctgt	ttgtcgccctc	cttccccctg	300
gccccactgt	ttgcgctgct	gaacaacatc	atcgagatcc	gcctggacgc	caaaaagttt	360
gtcactgagc	tccgaaggcc	ggtagctgtc	agagccaaag	acatcggaat	ctggtacaat	420
atcctcagag	gcattgggaa	gcttgctgtc	atcatcaatg	ccttcgtgat	ctccttcacg	480
tctgacttca	tcccgcgcct	ggtgtacctc	tacatgtaca	gtaagaacgg	gaccatgcac	540
gggttcgcaa	ccacaccctc	tcctccttca	acgtcagtga	cttcacagaac	ggcacggccc	600
ccaatgacct	cctggacctg	ggctacgagg	cgcagatctg	cagggtataa	agactaccga	660
gagccgccga	ggccggaaaa	caagtacgac	atctccaagg	acttctgggc	cgctctgtgc	720
atccggctgg	cagttgtgat	cgtcttcag	aacctggtca	tgttcatgag	cgactttgtg	780
gactgggtca	tcccgacat	ccccaggac	atcagccagc	agatccacaa	ggagaaggtg	840
ctcatgggtg	agctgttcat	gcgggaggag	caagacaagc	agcagctgct	ggaaacctgg	900
atggagaagg	agcggcagaa	ggacgagccg	ccgtgcaacc	accacaacac	caaacgctgc	960
ccagacagcc	tcggcagccc	agcccccagc	catgcctacc	acgggggctg	cctgtagcta	1020
tgccagcggg	gctgggcagg	ccagccgggc	atcctgaccg	atgggcaccc	tctcccaggg	1080
caggcggctt	cccgtctcca	ccagggcccg	gtgggtcctg	ggttttctgc	aaacatggag	1140
gaccactttc	tgataggaca	ttttcctttc	ttctttctgt	tttctttccc	ttgtttttgc	1200
acaaagccat	tatgcaggga	atatttttta	atctgtagta	ttcaagatga	atcaaaatga	1260
tggctggtaa	tacggcaata	aggtagcaaa	ggcaggtgct	ttgcagaaag	aatgcttgga	1320
aacttgagtc	tccttagagg	tgaaaagtga	gcagaggccc	ctagaaaccc	tcctctgaat	1380
cctcctaatt	ccttaagata	gatgcaaaat	ggtaagccga	ggcatcgcg	aaaagctggt	1440
gcgatgcttc	agggaaaatg	gaaaaccac	gcaagaataa	tgattgattc	cggttccaaa	1500
aggtgtcacc	tacctgtttc	agaaaagtta	gactttccat	cgccttttcc	ttccatcagt	1560
tgagtggctg	agagagaagt	gcctcatccc	tgagccacac	agggggcgctg	ggagcatccc	1620
agttatccct	ggaaagctag	aaggggacag	aggtgtccct	gattaagcag	gaaacagcac	1680
ccttggcgtc	cccagcaggc	tccccactgt	cagccacaca	cctgccccca	tcacaccaag	1740
ccgacctcag	agttgttcat	cttccttatg	ggacaaaacc	ggttgaccag	aaaatgggca	1800
gagagagatg	acctcggaag	catttccaca	gatggtgtca	gggtttcaag	aagtcttatg	1860
gcttccaggg	gtcccctgga	agcttttagaa	tatttatggg	tttttttttt	caaatatcaa	1920

ttatatggta	gattgaggat	tttttttctg	tagctcaaag	gtggagggag	tttattagtt	1980
aaccaaatat	cgttgagagg	aattttaa	actgttacta	cccaaagatt	tttattaata	2040
aaggcttata	ttttggtaac	acttctctat	atttttactc	acaggaatgt	cactgttgga	2100
caattatttt	aaaagtgtat	aaaaccaagt	ctcataaatg	atatgagtga	tctaaatttg	2160
cagcaatgat	actaaacaac	tctctgaaat	ttctcaagca	ccaagagaaa	catcatttta	2220
gcaaaggcca	ggaggaaaaa	tagaaataaa	tttgtcttga	agatctcaaa	aaaaaa	2276

<210> 5117

<211> 1547

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1489)...(974)

<223> similar to gi2842518 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5117

tttttttttt	tggatttttt	tgtgctttaa	tgttcgagct	cacacgaaag	tggcatctcc	60
atcagcactg	gggcgccggg	cctcctcatc	agccgacagc	ttgcacgggc	cccgcctctc	120
atccatttgg	tctgtttgca	agttactaga	tcatacaaaa	ataaccgcta	caaattctct	180
gtatctggca	tataaaaact	gagcaaaaag	tatctcttaa	agcaaaacat	ctcagaaaaa	240
atacaacaca	ggtttaactt	ctgcagtact	ttgttcatat	aaaacactag	taaaataggc	300
ttcttaaaaa	ttaaatagtg	aaataccaac	caaattatat	acattgttac	agtacaagtg	360
aatgaggcaa	aatatccagt	tcttagtttc	ccaggtgggg	gggggtggcc	ttcagtgcg	420
ggcagcgagg	gggtgacagg	aaggccacgt	tccgatgtca	cagtcagcgc	agaaagaggc	480
ttgcagcggg	acaaacagat	ggaaagaact	gagtcacaca	gggaagacca	ggggctcctt	540
tgaggaagag	tgaggtcatg	tttttattgc	ttgctaatac	gaggttttcc	ctggcccgat	600
gcccctctag	gtagcctgga	tcccaaagtc	tgacgcccac	gtagcgctaa	tccatgtcac	660
caagcagcca	cggggaagcc	acagctgtct	cagagaagac	agaactaggc	ttcagagccc	720
tcaatatctg	agctggaccg	atcctgggtc	ttcaggtcca	tcagggtccc	acatggtcca	780
actgacacac	acgtttcccc	gctgacggcc	acgttcacct	gagagcctga	gggcgggcag	840
tgtgggctca	tggcactggg	atggtatcac	tgtggcctgg	gggtgggcac	tcagaccag	900
ccaaccccc	cagcgaccac	agtgcctcgc	ccgcttctct	gccgccacca	gggctgagg	960
tctacgtgcg	gcgccgcttg	gcagcactgg	gactggaagg	gttgctgttt	gcggtcagga	1020
ctttgtcggt	gacccggctg	cgcttccgct	tgtctgcgcc	ttctttgcac	cccaagtctg	1080
aggagtctct	ctctttgtct	ttgctggatt	tttctgatgc	tttcccaaaa	ctccctgaag	1140
atgaaaaaac	atcgtcagcc	ccattgtggg	ggtccacgtc	ttccttcctc	tcctctttca	1200
tctcctcttc	tatcatcact	tttcttctc	ggacctcctg	aatgatctct	tctggaagga	1260
cgaagtctct	ctctggatcc	gggaatggaa	gaatctcaga	ctcatgcagc	gcctgcagtg	1320
cgtacatggg	gctcagatgg	tcccagatga	ccttggatgg	gacctgccgc	ccgatgttct	1380
ggctgaactt	gtcccgaata	caaatcatgt	ggaagtgtcg	gttcacaccg	acgggcttgt	1440
ggcccagcat	ggcgtggaag	aggcacacct	ccacctcggg	gctccacacc	actgtctcct	1500
ccgccgggct	ggtggccgcc	tcccccgggc	ccttgtcgct	tgccggcg		1547

<210> 5118  
 <211> 863  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(864)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (10)...(654)  
 <223> similar to gi1825727 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5118

ctggaagaag	agcgggagtt	ttataatgcc	aggcgacggg	agcatcgcca	gaggaatgac	60
gttggtgggtg	gcggcagtga	gtctcaggag	ttgggtcctc	ggcctgggtg	caacaacaaa	120
gaaaaagagg	tgcccgttaa	agaaaaacca	agctttgaac	tttctggggc	acttcttgag	180
gacaccaaca	ctttccgggg	tgtagtcat	aaatatagtg	agccccaga	agcacgtatc	240
cccaaaaaac	ggtggcgtct	ctaccattt	aaaaatgatg	aggtgcttcc	agtcatgtac	300
atacatcgac	agagtgcgta	cctactgggt	cgacaccgcc	gcattgcaga	cattccaatt	360
gatcacccgt	cttggtcaaa	gcagcatgcg	gtctttcaat	atcggcttgt	ggaatatacc	420
cgtgctgatg	gcacagttgg	ccgaagagtg	aagccctaca	tcattgacct	tggtcagggc	480
aatggaacct	tcttaaaca	caaacgtatt	gagccacaga	gatactatga	actaaaagaa	540
aaggatgtac	tcaaatttgg	attcagtagc	agagaatacg	tcttgctcca	tgagtcgncg	600
gacacttctg	aaatagacag	gaaagatgac	gaggatgagg	aggaggagga	agaagtgtct	660
gacagctagc	aaactaagaa	cccaaactat	tgatacacgg	tttccttctt	ggaagtcttt	720
gattgactca	gagagcacta	tggtgggtggg	tccagcacta	tggtgctctc	tgtaatgcct	780
cttactgcct	taagtctttc	ctctgttgc	gaccagattg	tgttaccatt	tgaatacact	840
gactaatgta	tgtaaactt	tta				863

<210> 5119  
 <211> 930  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (12)...(204)  
 <223> similar to gi5107816 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5119

ggaattccccg	ggtcgagggg	gaccgccttg	gggggctgtc	catcagccca	gcgggcatcg	60
tgaagcggga	tgagctgggtg	ttccggatgg	tccgtggccg	ccgggtgccc	atccttatgg	120

tgacctcagg	cgggtaccag	aagcgcacag	cccgcatcat	tgctgactcc	atacttaatc	180
tgtttggcct	ggggctcatt	gggcctgagt	caccagcgt	ctccgcacag	aactcagaca	240
caccgctgct	tccccctgca	gtgccctgac	ccttgctgcc	ctgcctgtca	cgtggccctg	300
cctatccgcc	ccttagtgct	ttttgttttc	taacctcatg	gggtgggtgga	ggcagccttc	360
agtgagcatg	gaggggcagg	gccatccctg	gctggggcct	ggagctggcc	cttcctctac	420
ttttccctgc	tggaagccag	aagggcctga	ggcctctatg	gggtgggggca	gaaggcagag	480
cctgtgtccc	agggggaccc	acacgaagtc	accagcccat	aggtccaggg	aggcaggcag	540
ttaactgaga	attggagagg	acaggctagg	tcccaggcac	agcgagggcc	ctgggcttgg	600
gggtgttctg	ttttgagaac	ggcagaccca	ggtcggagtg	aggaagcttc	cacctccatc	660
ctgactaggc	ctgcatacta	actgggcctc	cctccctccc	cttgggtcatg	ggatttgctg	720
ccctctttgc	cccagagctg	aagagctata	ggcactgggtg	tggatggccc	aggaggtgct	780
ggagctagg	ctccaggtgg	gcctggttcc	caggcagcag	gtgggaaccc	tgggcctgga	840
tgtgaggggc	ggtcaggaag	gggtacaggt	gggttccttc	atctggagtt	ccccctcaat	900
aaagcaaggt	ctggacctgc	aaaaaaaaaa				930

<210> 5120

<211> 2614

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(916)

<223> similar to gi3294180 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5120

ctgtgtgggt	ttatgtaggc	atggcaggtg	ccttttggtt	catcctcata	caactagtct	60
tacttattga	ttttgcacat	tcattggaatg	aatcgtgggt	tgaaaaaatg	gaagaaggga	120
actcgagatg	ttggtagtca	gccttggtat	cagctacagc	tctgaattat	ctgctgtctt	180
tagttgctat	cgtcctgttc	tttgtctact	acactcatcc	agccagttgt	tcagaaaaca	240
aggcgttcat	cagtgtcaac	atgctcctct	gcgttggtgc	ttctgtaatg	tctatactgc	300
caaaaatcca	agaatcacia	ccaagatctg	gtttgttaca	gtcttcagta	attacagtct	360
acacaatgta	tttgacatgg	tcagctatga	ccaatgaacc	agaaacaaat	tgcaacccaa	420
gtctactaag	cataattggc	tacaatacaa	caagcactgt	cccaaaggaa	gggcagtcag	480
tccagtgggtg	gcatgctcaa	ggaattatag	gactaattct	ccttttggtg	tgtgtatttt	540
attccagcat	ccgtacttca	aacaatagtc	aggttaataa	actgactcta	acaagtgatg	600
aatctacatt	aatagaagat	gggtggagcta	gaagtgatgg	atcactggag	gatggggacg	660
atgttcaccg	agctgtagat	aatgaaaggg	atgggtgcac	ttacagttat	tccttctttc	720
acttcagctg	tttctgggct	tcactttata	tcattgatgac	ccttaccac	tggtacaggt	780
atgaaccctc	tcgtgagatg	aaaagtcagt	ggacagctgt	ctgggtgaaa	atctcttcca	840
gttggtattg	catcgtgctg	tatgtttgga	cactcgtggc	accacttggt	cttacaatc	900
gtgattttga	ctgagtgaga	cttctagcat	gaaagtccca	ccttgattat	tgcttatttg	960
aaaacagtat	tcccaacttt	tgtaaagttg	tgtatgtttt	tgcttcccat	gtaacttctc	1020
cagtgttctg	gcatgaatta	gattttactg	cctgtcattt	tgttattttc	ttaccaagtg	1080
cattgatatg	tgaagtagaa	tgaattgcag	aggaaagttt	tatgaatatg	gtgatgagtt	1140
agtaaaagtg	gccactattg	ggcttattct	ctgctctata	gttggtgaaat	gaagagtga	1200
aacaaatttg	tttgactatt	ttaaaattat	attagacctt	aagctgtttt	agcaagcatt	1260
aaagcaaagt	tatggctgcc	ttttgaaata	tttgatgtgt	tgcttggcag	gatactgcaa	1320
agaacatggt	ttattttaaa	atttataaac	aagtcactta	aatgccagtt	gtctgaaaaa	1380

tcttataagg	ttttaccctt	gatacggaa	ttacacaggt	agggagtgtt	tagtggacaa	1440
tagtgtaggt	tatggatgga	ggtgtcggta	ctaaattgaa	taacgagtaa	ataatcttac	1500
ttgggtagag	atggcctttg	ccaacaaagt	gaactgtttt	ggttggttta	aactcatgaa	1560
gtatgggttc	agtggaaatg	tttggaactc	tgaaggattt	agacaagggt	ttgaaaagga	1620
taatcatggg	ttagaaggaa	gtgtttgaaa	gtcactttga	aagttagttt	tgggccagca	1680
cggtagctca	cccttgtaat	cccagcaact	tgggaggctg	aggtgggtag	attacttgag	1740
cccaggaatt	caagaccagc	ctgggcaaca	tggtgaaacc	ctgtttctat	aaaaaataat	1800
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gcttgagccc	aggaggcaga	ggttgcatgt	agccaaggct	acgtcactgc	actctagcct	1920
gggcaacaga	gtaagacaaa	aaaatatata	tattattgaa	atcaaaggag	gcaaaatttt	1980
gacagggag	gaagtaactg	caaaacacta	ggcttttagt	ggtacttata	taaaatctag	2040
tccagttctc	tcatttaaaa	aaatgaagac	actgaagtac	agacttaaat	agctcagata	2100
gctaattagg	aaatttcaag	ttggccaata	atagcattct	ctctgacatt	taaaaataat	2160
ttctattcaa	aatacatgca	taattgattt	tacacctcat	tactggtgga	taatttatgt	2220
gatgtggatt	gctgggtgcc	agcatgacct	ataaacaggt	cagaagaatg	atggaatgtt	2280
ttagaataaa	ctcctgctta	tagtatacta	cacagttcaa	aagatgttta	aatgctttt	2340
gtatttactg	ccatgtaatt	gaaatatata	gattattgta	acctttcaac	ctgaaaatca	2400
agcagtatga	gagtttagtt	atgtgtatgt	gtcactagt	tctaataaag	cttttaaaat	2460
ctacaatttc	ttcttttaaa	atatttatta	atgtgaatgg	aatataacaa	ttcagcttaa	2520
ttccccaacc	ttattctgtg	tgtagacatt	gtattccaca	attttgaatg	gctgtgtttt	2580
acctctaaat	aaatgaattc	agagaaaaaa	aaaa			2614

<210> 5121

<211> 2945

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2188)...(471)

<223> similar to gil519392 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5121

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ccaaattgtg	taccaacag	ctcattgaga	acaagccatg	atgacaatgg	cggttttgtc	120
aaatagaaaa	gggggaaatg	tggggaaaag	caagagagat	cagattgtta	ctgtgtctgt	180
gtagaaagaa	gtagacatag	gagactccat	tttgttctgt	actaagaaaa	attcttctgc	240
cttgagattc	tgtaaatcta	taaccttacc	cccaaccccg	tgtctctctga	aacatgtgct	300
gtgtcaactc	agagttaa	ggattaaggg	cggtgcaaga	tgtgctttgt	taaacagatg	360
cttgaaggca	gcatgctcct	tgagagtc	caccactccc	taatctcaag	taccaggga	420
cacaaaaact	gcggaaggcc	gcagggacct	ctgcctagga	aagccaggta	ttgtccaagg	480
tttctcccca	tgtgatagtc	tgaaatatgg	cctcgtggga	agggaaagac	ctgaccgtcc	540
cccagcccga	caccctgaaa	gggtctgtgc	tgaggaggat	tagtaaaaga	ggaaggcatg	600
cctcttgcat	ttgagacaag	aggaaggcat	ctgtctcctg	cccgtccctg	ggcaatggaa	660
tgtctcggta	taaaaccgga	ttgattgtac	gttccatcta	ctgagatagg	gaaaaaacgc	720
ctatctcacc	tatcaccgcc	tatcaccact	ccctaattct	aagtaccag	ggacacaaac	780
actgcggacc	actcccta	ctcaagtacc	cagggacaca	aacactgcgg	aaggccgcag	840
ggtcctctgc	ctaggaaaac	caggtattgt	ccaaggtttc	tccccatgtg	atagtctgaa	900
atacagcctc	gtgggaagg	aaagacctga	ctgtcccca	gcccagacacc	cgtaaagggt	960



ctgtgctgag	gaggattagt	ataagaggaa	ggcatgcctc	ttgcagttga	gacaagagga	1020
aggcatctgt	ctcctgcccg	tccctgggca	atggaatgtc	tcggtataaa	acccgattgt	1080
gcgttctatc	tactgagata	gggaaaaacc	gccttagggc	tggaggtggg	acatgtgggc	1140
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acttaatcct	ttaccttgtc	tatgatgcaa	agacctttgt	tcacgtgttt	gtctgctgac	1260
cctctcccca	caattgtctt	gtgaccctga	cacatccccc	tctcggagaa	acacccacga	1320
atgatgaata	aataactaagg	gaactcagag	gctggcgggg	tcctccatat	gctgaacgct	1380
ggttccccgg	gtcccccttat	ttctttctct	atactttgtc	tctgtgtctt	tttcttttcc	1440
aaatctctcg	tcccacctta	cgagaaacac	ccacaggtgt	gtagggggcaa	cccaccccta	1500
catctggtgc	ccaacgtgga	ggcttttctc	taggggtgaag	gtacgctcga	gcgtggtcat	1560
tgaggacaag	tcgacgagag	atcccagagta	catctacagt	cagccttacg	acatttgaag	1620
ttctacaatg	aacccatcag	agatgcaaa	aaaagcacct	ccgcggagac	ggagacatcg	1680
caatcgagca	ccgttgactc	acaagatgaa	caaaatgggtg	acgtcagaag	aacagatgaa	1740
gttgccatcc	accaagaagg	cagagccgcc	aacttggggca	caactaaaga	agctgacgca	1800
gttagctaca	aaatatctag	agaacacaaa	ggtgaaacaa	acccagaga	gtatgctgct	1860
tgacgccttg	atgattgtat	caatgggtgtc	tgacggtgta	cccaacagct	ccgaagagac	1920
agcgaccatc	gagaacgggc	catgatgacg	atggcggttt	tgtcgaaaag	aaaaggggga	1980
aatgtgggga	aaagcaagag	agatcagatt	gttactgtgt	ctgtgtagaa	agaagtagac	2040
ataggagact	ccattttgtt	atgtactaag	aaaaattctt	ctgccttgag	attctgtgac	2100
cttaccacca	accccggtgt	ctctgaaaca	tgtgctgtgt	caactcagag	ttgaatggat	2160
taagggcggt	gcaggatgtg	ctttgttaaa	cagatgcttg	aaggcagcat	gctccttaag	2220
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ggttccccgg	gtcccccttat	ttctgtctct	atactttgtc	tctgtgtctt	tttcttttct	2880
aagtctcttg	ttccacctta	cgagaaacac	cacaggtgtg	gaggggcaac	aagagactta	2940
ggaaa						2945

<210> 5122

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (742)...(205)

<223> similar to gi777776 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5122

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ggggcagggtg	tccggtccct	ggctaggggtc	tgaccaagtg	ctggatgtca	cgtgaggaag	180

cggggccttg	tctgggggtg	tctacggatc	actggtgaca	tatgccggga	gggtgacacc	240
atccgcattg	aaaaggatgt	tgtcaaagcc	aggggtgtgt	gcctctgtgt	tgctctggaa	300
ggggcagctc	cccttcttgt	gcagccagcc	ccgtcccca	agtcacagca	gcaccaggag	360
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ccccgggctg	ggggcaggct	gctggcaatg	ctgcccagcc	agatactcca	cgtcatccag	480
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cttggcactg	gctacctcca	cctgggcctc	cagccactgg	tgccgccgat	gcccgcctgc	600
gccccacaca	gccagctggc	cctgagcact	gtgcagcagt	accttcagct	cccccttgta	660
gaagtgtctc	ggaaaaccca	tgtggtacca	gaagcggagg	caggaggctg	gggtggccgg	720
cagaggctcg	ctgcgcagcc	a				741

<210> 5123  
 <211> 1521  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1522)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1448)...(623)  
 <223> similar to gi453197 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5123						
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caagtataga	cccttctaga	atcagataac	tcctagaaaag	gtcttctaga	caatctgtag	180
tgaagttaag	taataccttc	aagatttcac	aaactgtaaa	ctcgatcttg	gaattcaacc	240
cagatctata	ttgttctgga	aattccaggc	tctttttttc	tgtatcaaga	agcttttgga	300
ctggaagagt	gtttttcagc	aggaattgtg	gtattggcca	cccatcacc	catttaatta	360
aaaatccctg	gcctacagga	cctacagcaa	tgtactgaag	aacttcagaa	cctcaattag	420
ccatttgcca	tcttgagaga	gtcttgcca	tggttcaagt	gttcccttgg	aactcctgaa	480
gggcttgagg	cttagtctga	gccatgggaa	atggccaaaag	agtctcaaga	ttcccactgt	540
atcctgtgcc	ttggagcagg	caaggagacc	atggcagccc	ctggccccgg	tcagttcttg	600
gctttggcag	ttccgggacc	aggacgctgg	tacagccgga	ttatcccttc	atcgtgtagc	660
cgcttccaga	cttctctctc	cagcttgaag	tcatggttta	tgtaaaagat	cagccgcttc	720
catgatgtat	catagtagtg	atcagaaaag	cgctcatggc	cctcagtgat	gaagccataa	780
gcactcacct	ggtcacagag	ctgaagggca	gtgagcagca	ggagggcccc	agtgggtggg	840
cggatatatc	tccagtgggc	accatccagg	gtcttagacc	tcagaaacct	gttcttcatg	900
tatcggagaa	agtctgggtg	cagcaacagg	tcctgtcca	tgtgcagggc	ttcccgaaaa	960
gcttcctggg	gtctgtgcct	gaaccagaaa	aggttttttg	acatcacctg	ctgattcata	1020
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tccttcccaa	gaggcacggt	cttgaaaccc	cgattgcccc	atataaggag	tgactgggtc	1140
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ttaatgagag	ctccgctcaa	tcggaacacg	tagtcgtgac	tgtctatctc	ctggcccatg	1260
tgggagttgt	tcaggatgcc	cccgttgccc	accacggcac	aggtgatgct	ccggaggctc	1320

ccagcgggga	ggctggccag	gagcagctgc	tgctggggcc	ctggagggaa	gcgtgtctcc	1380
cccttttgc	ccaaggagta	gttgagctcc	atgaaaccaa	aggggtgtgc	aaagtgttcc	1440
aggcgcgta	gagtgggcag	tcccggnaat	tccggncggg	tncgacggtt	gtcgaagcta	1500
tcaattntcn	ngnangcccc	g				1521

<210> 5124  
 <211> 5840  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(4096)  
 <223> similar to gi3449298 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5124						
gccctgcca	cctcacgcag	actgccggga	cctctggcag	accttttctt	gcacctgcca	60
gccaggttac	tacggcccag	gctgtgtgga	tgccctgcctc	ctgaaccctt	gtcagaacca	120
gggatcatgc	cggcacctgc	caggagcccc	ccatggctat	acctgtgact	gtgtgggtgg	180
ctatttcggg	caccactgtg	agcacaggat	ggaccagcag	tgcccacggg	gctgggtggg	240
gagcccaacc	tgtggccctt	gcaactgtga	tgttcacaaa	ggttttgatc	ccaactgcaa	300
caagacaaat	gggcagtgtc	actgcaagga	gttcactac	cgaccgcggg	gcagtgactc	360
ttgcctccca	tgtgactgct	accctgtggg	ctccacctcg	cgctcatgtg	cacccacag	420
cgggcagtgc	ccctgtcgcc	caggagccct	tgcccgccag	tgcaacagct	gtgacagtcc	480
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ccggggggcc	ctgggattgc	gggggtgcagg	tgctgctgtg	cggctgtgtg	atgaggccca	660
gggttggttg	gagcccagcc	tcttcaactg	tacctccctt	gcctttcgag	agctcagtct	720
gctgctggat	ggcctagagc	tgaacaagac	ggcactggat	accatggagg	ccaagaagct	780
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cccaggcagc	gcgggactgg	tgaggcacct	ggaggagtat	gcagccacac	tcgcaaggaa	1080
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caacctcttt	cgaggccagg	atgcctggga	tcttcacacc	catgtgctgc	tgccctccca	1260
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cctgcactac	ttcttctca	gcaccttgc	gtggtcttcc	gtgcaggggc	tgcacctcta	2040
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ccctcctggg	tggatgtgtg	tgtttattat	gtggagtccc	tgccacttac	tgcttatga	4740
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cccaggtctc	ccaggccgaa	ggtcagcctt	gagtcgccgtt	taacagcaga	tccagaagac	5460
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agcggccctc	tttctgtct	gtgtaaattg	ttccgtgaag	ccgcgctctg	ttttgggaat	5820
aaacttctat	agaaaacaaa					5840

<210> 5125

<211> 1697

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1585)...(1292)

<223> similar to gi1872200 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5125

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cccctgtcta	cgtcggctcc	gccacttcgc	ggcttgagac	taaaagagca	tcccggcagg	180
gggccttcca	gccccaaagc	agcctgtcca	gagaccccca	aattctgate	ctgaagttgg	240
aggcctccgg	ggatgttctt	ttttaatctt	ttaaaagggt	tagaggggtt	gaggctgcct	300
gacccagacc	taatggggta	ggtaggcctt	gggaagtggg	gcatgggggc	aaaggatcca	360
agcattgagc	cttcattcct	tattccccat	ccagtggggg	gccgaggctc	aggcagcatg	420
acgacggaga	cctttgtgaa	ggatatcaag	cctgggctca	agaatctgaa	ccttatcttc	480
attgtgctgg	agacaggccg	agtgaccaag	acaaaggacg	ggcatgaggt	tgggacctgc	540
aaagtggcgg	acaaaacagg	cagcatcaat	atctctgtct	gggacgatgt	tggcaatctg	600
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ctgacactat	atactggccg	tgggggtgat	ctgcagaaga	ttggagaatt	ctgtatgggt	720
tattctgagg	ttcctaactt	cagtgaacca	aaccagagt	acagcaccca	gcaggcaccc	780
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ccacatccca	agtgtccctt	ggagagcaag	atagccttcc	actgattggc	tgggtgtagca	1140
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tcatactccc	tcattgtcca	gctgaactac	ctgtccctctg	ggagtcagga	ccctctgcct	1260
gctctctttc	ctcttttagaa	atggcagtta	ctggctgggc	gcagtggctc	acgcttgtaa	1320
tcccagcact	ttgggaagcc	gaggtgggag	gatcacctga	ggtcgggagt	tcaagaccag	1380
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cgaaactcca	tctcaaaaaa	aaaagaaaga	aagaaagaaa	gaaagaaaga	aatggcagtt	1620
accatctgtt	tcttctgtgt	gagacatggg	agtctaactg	aagtctctcc	ttcctaataa	1680
atgttaccac	ttctaaa					1697

<210> 5126  
 <211> 2577  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (475)...(1294)  
 <223> similar to gi310660 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5126

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<210> 5127

<211> 6152

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1906)

<223> similar to gi3327076 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5127

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<210> 5128

<211> 2771

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(497)

<223> similar to gi4884128 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5128

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<210> 5129

<211> 2629

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1278)

<223> similar to gi3169158 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5129

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ctttgagccc	accaagaata	aagagctgac	agatgagttc	cgggagctgc	gggccacagt	300
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ccatgccaaag	cccaactgct	tccgcaaaga	cccagacatc	aacatgcac	ccttcttctt	660
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caaccaccag	cacaaatact	tcttccta	tgcccccc	gccttgctgc	ctctctactt	780
ccagtggat	atcttctatt	ttgttatcca	gcgaaagaag	tgggtggact	tggcctggat	840
gattaccttc	tacgtccgct	tcttcctcac	ttatgtgcc	ctattggggc	tgaaagcctt	900
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caacttccag	attgagcacc	atctttttcc	cacgatgcct	cgacacaatt	accacaaagt	1140
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ataaataaaa	aaataaaaata	aaatggtctg	gatttgggtc	acaccttatt	cagtaaatacc	1860
ttaatttacc	ttgagacata	caaagacatt	cttttaaaga	gctattttct	tggatttgca	1920
caaaggttaa	ttttaaaagca	atccaggcaa	gtaagctcac	aaaaagaagt	acattcatct	1980
aatccattta	gcaaagtgtg	caaatacagct	tccaccaata	aaacgtagaa	atctgtgaaa	2040
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ttgctgcgac	agcaaatatt	ttggatagtg	ctgcaacaga	tatatattct	actgtgctca	2580
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<210> 5130

<211> 2389

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2391)...(1943)

<223> similar to gi5001689 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5130

tttctgtctgt	ccgcgttgcc	agcaacctgt	tttctttttt	gaggcccggg	ctgcggaggg	60
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gtgtagtccc	agacaccctt	ttcacctgca	gcggctggta	gtctccgcac	caccgcctcc	180
cactcgggtc	ttctcccttc	ctctgagagc	tctgtgggga	gtgtgaaacc	ggagcgggat	240
ggagctggcc	tcctggagac	actcatctcc	aggaagcagg	gcaggccaac	ctaattccct	300

agagggccga	agagggaaag	gaggggccct	atgcttggac	aggctcctcg	cagctcggtt	360
ccactttgtc	ctccacagct	gagaagggtga	gctccctggg	caagaactgg	caccgcttct	420
gcctgaaatg	tgagcgctgc	cacagcatcc	tgtccctggg	cgggcatgca	gagcacaatg	480
ggagggcata	ctgccacaag	ccatgctatg	gggctctctt	tggacccagg	ggccctcccc	540
atatgaagac	attcactggg	gagacctcgc	tgtgccctgg	ctgtggggag	cccgtctatt	600
ttgctgagaa	ggtgatgtca	ttaggcagaa	attggcaccg	accgtgtctg	agggtgccagc	660
gttgccacaa	gacctgact	gctgggagtc	atgctgagca	tgatggagtc	ccctactgcc	720
acgtccctcg	ctacggctac	ctgtttggcc	ccaaagggtg	gaacattggc	gatgtgggct	780
gctacatcta	tgacccagtg	aagataaaat	tcaaattgaga	cgctcacaaa	aaagggtcacc	840
ctaactcagg	cctcccatca	tgcccctcat	gggtccaatg	aagctacaaa	aatctccagt	900
cccatggggg	ttggggaagg	tgggatcttg	ggggcctggg	cctaggctcc	atggtagggc	960
agagagtcta	gaactttctt	gccaattttt	tccctttccc	atttctatct	ggttagggaa	1020
cagcccgttt	tgaagggtat	cctcctcctg	gccatcacaa	cccctttccc	cagcacattc	1080
tggagcttca	aggtagctcat	aaaacttggt	tttattgaat	ttcagcctct	gtggcttctt	1140
caataaaatg	ttggctcccc	atgccttcaa	ctcttctttg	ggcatgagac	ccagtggttt	1200
gggaggatgg	ggaatgtggg	ggttggggat	gaacatgcaa	ttgccctgca	gggtgccctc	1260
ggaggtagca	gggccagccc	atgagaacaa	aaagctctgt	tctttttgtc	ccttgggcct	1320
gggcattggc	aagtcctaag	caccacacaa	gtggacaagc	atgcccacca	agccccattg	1380
ggtacccaga	agtctcatat	gctaagtcct	ttcttttagg	acccatctct	aggaggaagc	1440
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gcctcccaag	aggttttcat	ttatccattt	ggggaggatg	aacagactga	ggcccagaga	1560
agggaaagcc	acatgcccaa	ggttcacaca	gcaagttaat	ggtgaagggt	ttatcagagc	1620
ccagggcaga	ctcagtggct	tctatccag	ggctcttccc	acagctcgtc	accactgccc	1680
caacccaagg	ggcaccttta	tttacagaat	cctccccaac	cgtgagaggg	gtgcccagca	1740
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cttgggcagt	gacagccaca	ctccatccag	caaggccggc	agtggggcca	aagagccccc	2160
cagccggccc	accagtgcag	tcagccccat	ccctgtctgt	ctgagcaccg	tagggtacaa	2220
ctctgaagtg	aacaggtagg	cagtgggtgaa	ggcagcttca	gaaaaagctt	tccccatcac	2280
tgccaggaca	gtgctccagg	acttcataat	ggaggacact	agcagtctag	tgccgaacgc	2340
cagggccgctg	cccagcagtg	tcccggcttg	cgtgaggcgg	cgtcctgcg		2389

<210> 5131

<211> 611

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(569)

<223> similar to gi2887453 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5131

actggctgaa	aagtttttaa	ggtctaagg	agaatacaat	tatctgtgcc	agtcccaaag	60
agctgcaagg	agtaaagtg	atcgatgcag	tgaagaacta	cagcatctgt	ggcaaaagta	120

ctacagagag	gtttgatctg	gccagggctc	tcccaaagcc	gacgtttaag	cccaagctcc	180
ccaggccgaa	gcatgagagc	aaacccccctt	tgcccccgac	ggtgggagcc	acagagcccg	240
gcccagagac	cgatgctgac	gccgagcaca	tctctttcca	taaaatcatc	gcgggcagcg	300
tggcgctttt	cctgtccgtg	ctcgtcatcc	tgctggttat	ctacgtgtca	tggaagcggg	360
accctgcgag	catgaagcag	ctgcagcagc	gctccctcat	gcgaaggcac	aggaaaaaga	420
aaagacagtc	cctaaagcaa	atgactccca	gcaccagga	atztatgta	gattataaac	480
ccaccaacac	ggagaccagc	gagatgctgc	tgaatgggac	gggacctgc	acctataaca	540
aatcgggctc	cagggagtgt	gagatacctt	tatcaatgaa	tgtgtcaacc	tttctggcat	600
acgaccagcc	g					611

<210> 5132

<211> 1897

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (159)...(481)

<223> similar to gi3924594 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5132

cgtaacgcgt	cacggggcggc	ctggcagctg	gcggcattga	ggcggacgcg	tctagaggtc	60
cgtctgaccg	cggcgctcggg	acctggtttc	cgggcatgag	ctgagagcac	cacgccgagg	120
ccacgagtat	ttcatagaca	ttgatggaag	cagaaaccaa	aactcttccc	ctggagaatg	180
catccatcct	ttcagagggc	tctctgcagg	aaggacaccg	attatggatt	ggcaacctgg	240
accccaaaat	taccgaatac	cacctcctca	agctcctcca	gaagtttggc	aaggtaaagc	300
agtttgactt	cctcttccac	aagtcagggtg	ctttggaggg	acagcctcga	ggctactggt	360
ttgttaactt	tgaaactaag	caggaagcag	agcaagccat	ccagtgtctc	aatggcaagt	420
tggccctgtc	caagaagctg	gtggtgcat	gggcacatgc	tcaagtaaag	agatatgatc	480
ataacaagaa	tgataagatt	cttccaatca	gtctcgagcc	atcctcaagc	actgagccta	540
ctcagtctaa	cctaagtgtc	actgcaaaga	taaaagccat	tgaagcaaaa	ctgaaaatga	600
tggcggaaaa	tctgatgca	gagtatccag	cagcgccgtg	ttattcctac	tttaagccac	660
cagataaaaa	aaggactact	ccatattcta	gaacagcatg	gaaatctcga	agatgatggt	720
tgtgaattac	tgtagcagca	aaagcaaatt	ggtctccaca	cctaaaatcg	tctgacctgtg	780
tactttgtag	atgtgaatgg	tactattcaa	cggagcaca	tcacatgtta	gcatttggtg	840
acataatggt	tttggtatgt	cttatggatg	tttctccct	aaactatgta	tggaattgag	900
catcatccag	aataaatagc	gttgatatcc	aaattgtgat	ttgaaccctg	ggatgctcta	960
attggctggg	tggtttggat	ttgtaactcc	agaaacattc	tatagtgttc	cagagcaaaa	1020
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attgagcatt	tttctacgct	cgtgtgtctt	ttacaacata	aagaaaaagt	aaaaggcagg	1140
gagggaaagt	agagacagat	tttaaatcat	gttcagaact	gttgttccag	aatttactac	1200
ggcaatccct	ccaactggac	tgaaaaagag	aaagttcttg	gcaaaaagga	gctgattctt	1260
tgaacaaatg	ttgtagtaat	ctgtttaaga	attatgctta	ttgtttcaaa	atcccaacta	1320
ggaaaacatg	gtgtatatct	taaaattggt	cgtgttgaca	aaactagaat	caaatttaac	1380
attttatacc	acaacacaag	ttctatttgg	aaattgaact	tttattctat	agcaaccatt	1440
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attatatcat	ggtcagtcta	aatagaaaaa	gcaaaatttc	tttgaaaacc	taaacattgc	1620
tatattggtc	actatcaaac	atacaatttt	ctaataattg	tgtagcggtc	taagtgggaag	1680

agattgcatt	atcttgtgca	ggacgaggag	aggacatgca	gtgggcacag	aaagtcaatg	1740
gaacagatgc	cactgtggca	ccaagactgt	aatgactctg	tgtggtaggt	agttttaaag	1800
gactgcatgc	cttggaatg	attcttcact	tggagaacat	acttgcctct	agatatgttt	1860
gtcactctaa	gcacccctgaa	tataacaata	gagaaag			1897

<210> 5133

<211> 2219

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (119)...(1132)

<223> similar to gi2894802 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5133

gacagctacc	tgcattgcca	aaagttcaca	ttttttgtct	agaacacaag	atattcatat	60
tttcagacag	gtaaccagtc	ggggagaggc	acatttgagg	ctgaatgcat	ttcgaaggaa	120
gcatgattgt	gcactagtca	tatctgggga	ctctctggag	gtttgtctaa	agtactacga	180
gcatgaattt	gtggagctgg	cctgccagtg	ccctgccgtg	gtttgctgcc	gctgctcacc	240
caccagaaag	gcccgcattg	tgacactgct	gcagcagcac	acagggagac	gcacctgcgc	300
catcggatg	ggaggaaatg	atgtcagcat	gattcaggca	gcagactgtg	ggattgggat	360
tgagggaaag	gagggtaaac	aggcctcgct	ggcggccgac	ttctccatca	cgcagttccg	420
gcacataggc	aggctgctca	tgggtgcacg	gcggaacagc	tacaagaggt	cggcggcact	480
cggccagttc	gtcatgcaca	ggggccttat	catctccacc	atgcaggctg	tgttttcttc	540
agtcttctac	ttcgcacccg	tccctttgta	tcagggtctc	ctcatgggtg	ggtatgccac	600
catatacacc	atgttcccag	tgttcccctt	agtgtctggc	caggacgtga	agccagagat	660
ggcgatgctc	tacccggagc	tgtacaagga	cctcaccaag	ggaagatcct	tgcccttcaa	720
aaccttcttc	atctgggttt	taataagtat	ttaccaaggc	ggcatcctca	tgtatggggc	780
cctgggtgctc	ttcgagtctg	agttcgctca	cgtgggtggc	atctccttca	ccgcactgat	840
cctgaccgag	ctgctgatgg	tggcgctgac	cgtccgcacg	tggcactggc	tgatgggtgt	900
ggccgatttc	ctcagcttag	gctgctacgt	gtcctcactc	gcttttctca	atgaatattt	960
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cttcctgtgg	aaagtgtcgg	caatcacctg	ggtcagctgc	ctcccgtgtg	atgtcctcaa	1080
ttacctgagg	cgcaagctct	ctcctcccag	ctactgcaag	ctggcctcct	aaggggtgtg	1140
gcacccccag	cgggctggcc	ccagcacctt	ctgccccttc	cagcaccttg	tgcccttgcc	1200
agtgaacgca	gggtttgcca	ttgctatcaa	gcaatcacca	caagaaaggg	agggtaggcc	1260
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gactgaaagt	ttaatttctg	cagttccctc	atattcagat	tctttctttg	atgttataac	1860
acaaagtcat	tcctactcaa	atgtaataaa	attgaggctc	cacggaggcc	cgtgtccaca	1920
tcagctgcag	ctcccgtcca	gacagacggc	ctgccccaca	gcctgccctt	tgctgaaaat	1980

accctcgctt	tatacttgca	tttcgctttt	cagtaaaaaac	agtcaagtta	ctgagttctc	2040
acataaagag	ctcttctcac	acaccctaaa	ggcaagttgc	gtaaacagtg	gcgtttccga	2100
acgcaattcc	attgcgccca	ccaatgtaaa	tcattgcccc	gagactttgc	tgctagcacg	2160
cgtgtccttc	ccatcctttt	tctatttgca	aaatcacact	cgaacaccat	ttctatata	2219

<210> 5134

<211> 1644

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (740)...(1292)

<223> similar to gi3874826 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5134

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agtcggacca	cgagacagag	ctgcgagcct	ggcaccgcgc	gctgcggaact	gtcatcgagc	180
ggctggatcg	ggagaacccc	ctggagctgc	gtctgtcggg	ctctggacc	gcggagctga	240
gcgccgggga	ggacgaagaa	gaggagtcgg	agctggtgtc	caagccgctg	ctgcgcctca	300
gcagccggcg	gagctccatt	cgggggcccc	aaggcaccga	gcagaaccgc	gtgcgcaaca	360
aactaaagcg	gctcatcgcg	aagagaccgc	ccttacaag	cctgcaggag	cggggtctgc	420
tccgaggtga	gggggctggg	ccaggttcat	ggataagaaa	actccagcga	ggctcagagt	480
agagcttccc	agaactagac	cacaaccttc	tgtgactgct	gctttccac	tacccagat	540
tgtttagggg	agaagctggg	gtgacctgta	cccctttgcc	agattgtttg	aagcagggga	600
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cccgcctcac	tctacttccc	cagaccaggt	gttcggctgc	cagttggaat	cactctgcca	780
gcgggaagga	gacacggtgc	ccagcttttt	gcggctctgc	attgctgctg	tggataaaaag	840
aggtctagat	gtggatggca	tttatcggtt	gagcgggaac	ttggcagtgg	tccagaagct	900
tcgctttctg	gtggacagag	agcgtgcggt	cacctccgat	gggaggtatg	tgttcccaga	960
acagccagga	caagaagggtc	ggtttagattt	ggacagtact	gagtgggatg	acattcatgt	1020
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gctgctgccc	catttccgtg	ctgcccttgc	actctccgaa	tcagagcagt	gcctctctca	1140
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gggaattgtg	tttggaacca	ccctgtttcg	gccagagcag	gagacatctg	accagcagc	1320
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cccctgatgc	agggaaggaa	gaagagaaaa	catatttccg	gtcatctctg	gtggtgagag	1440
gctggtgttc	tgttttgagg	atatcccttt	aaatctccca	aatgactgtc	tctatcttca	1500
tgagtgtgac	ttgaggtggt	gggatgggtg	aggagcttc	tctaaagagg	aaagtgagtg	1560
gattaacccc	tgcttctctt	cttgttccct	gttatcatte	ctccccaaca	taataatata	1620
taaagtggca	tggtaaaaaa	aaaa				1644

<210> 5135  
 <211> 3137  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(1177)  
 <223> similar to gi5911890 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5135

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<210> 5136

<211> 5330

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(2185)

<223> similar to gi3327078 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5136

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<210> 5137

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (527)...(215)

<223> similar to gi2477514 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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cgggaataaa	aattggtccc	ctaaaaaggc	cccccccttt	tttttttttt	ggagctgggg	180
gatgtttact	ggtgtggggg	gacctgggaa	catcactgtc	gttcgtacat	ctctcgtagg	240
atcttcatgc	tttctgagta	acgaagctgg	ttccgatgag	aggcctcctt	ccacctctgg	300
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cgactcttgc	tgttggttac	ctctgagccc	tggggacaca	agggccccat	gccaggccca	540
agagagtcaa	agcagagggg	ctgggaatcc	acattcatcc	ctcctgcctt	tcccagcaac	600
aaatggcatg	aggggctcgc	taagggaactc	agacaggagg	catgtatgaa	gggcagacac	660
ctcaaccagc	cagcgggtca	agtgtgcctg	ccccaggggac	ccctgtcttc	tcctatccag	720

<210> 5138

<211> 1034

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (20)...(583)

<223> similar to gi6002805 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 5138
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cttcgggag caccacattg acccgacagc tatcacacgg cactgacttca tcgagaccaa    180
cggggacaac tgcctgggtga cactgctgcc gctgctaaac atggcctaca agttccgcac    240
ccacagccct gaagccctgg agcagctata cccctgggag tgcttcgtct tctgcctgat    300
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gaagcctcgg gcagatgaca tgaaatgggc ccagaagatc aaataacttc tccgagcctg    600
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ctttgagctg gcccctccag atggagagga catctcctgg gctgggcccc ggtaccccag    720
cccacccctc atgacacaga atacttgagc cactgatttt tcatttcttt tttttttttt    780
tcttgggccc ttcttaaccc cctgggggtg ttttttttga aacctggatt ttgccaccct    840
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aaccctttaa ggggggttgc ctttgggccc aaaaattgcc ctttttcctt ctttgttggc    960
ccccaggggt tgggggagcc cccaggcccc cttaagggtg ggggagcttt gttttgccac   1020
acccttgctt atgc                                     1034

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<210> 5139

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (985)...(582)

<223> similar to gi4062856 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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gcagtctgat tgcctcaaca cccacagagc aggattcagg tatcccgag accttgggag    180
gtcccatcc agaggtctgc tgtcctgcc ggcttggggc agcagggact gggacccac    240
tcagacctct ctggggcaaa tgttttgggt ctcacaacag ccctagtga atcaatccta    300
gatactccca tttgggtcca ccaaggccat ttaattttct tgtaaagggt aagatgacac    360
aaaagagcca actatggaaa cggtagggtg ggagtctgaa ccgatttagc tgttctcagg    420
gcgcacaggg tgttgacggg ggttttcate tgccacctgc ctcttgaga cccagctggc    480
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<210> 5140  
 <211> 2742  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(1005)  
 <223> similar to gil928886 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5140

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tcaacttcag	aggactgtct	ttctcttttc	agttagactc	atggactgag	gctccaaagt	180
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<210> 5141

<211> 2867

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2868)...(847)

<223> similar to gi556299 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5141

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tggggcagtg	gggacagcac	ctccgacct	atgggggtga	ccttcaagta	gcaaggctga	180
caatgatgtc	tagaaaggtc	tccacttctg	cctgagtttt	gccaaaccca	gtggtctata	240
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gcacagtttt	gccttttaaaa	taattcacat	caacggtatt	tgggagaaca	tggagctggc	360
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ggacccccgag	tgcttgacc	cgctcgggtga	cagtggctgg	caggtctaag	tgetgctgct	720
ggatgcaa	tccttttggt	gacttttttt	tttttaagaa	aaaaataaaa	ccaatttttg	780
ggttggcacc	tgaggtaa	agttaagaat	aagcaccaa	atggcccttc	ctggcacgcg	840
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ccagccaccc	cagggaatcc	tggcaaaccg	gggatgcgcg	ggaggcc		2867

<210> 5142

<211> 3005

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(1096)

<223> similar to gi2827495 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5142

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gcatctcccc	ccacgggggt	cggtgccctg	ggatcctgtc	cgcatccact	gcaacatcac	180
ggagtcatac	cctgctgtgc	cccccatctg	gtcgggtggag	tctgatgacc	ctaacttggc	240
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gaagaggatc	atctccgacc	tgtgtaaact	ctataacctc	cctcagcatc	cagatgtgga	360
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catctgcatg	gaacttctca	caaacaggg	ctggagcagt	gcctactcca	tagagtcagt	960
gatcatgcag	atcagtgcc	cactggtgaa	ggggaaagca	cgagtgcagt	ttggagccaa	1020
caaatctcaa	tacagtctga	caagagcaca	gcagtcctac	aagtccttgg	tgcagatcca	1080

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gcctccttac	ctatgctatg	gattttta	ttattttctc	ttatttcatg	tacactgctt	1500
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aaaaa						3005

<210> 5143

<211> 604

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (178)...(250)

<223> similar to gi3845179 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5143

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ccgggggggt	tttttttttt	tttttttttt	ggggggggcc	cctttttttt	tttttttttt	180
tttttttttt	tttttttttt	tttttttttt	tttttttttt	ttgggtcatt	tccacatgct	240



ttattccagc	aatcaaaaata	attaaaaaca	tctcaaatta	ttatacacat	acaaaatagg	300
tacagagtct	tttgcttctt	cccaccctta	gggggaaaaa	ctgctttgtg	ctttgggaag	360
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ggctgcagct	gtggaggagg	gtttcagagg	agagaggctg	gagagcagag	gcctgagaag	480
ccagaggcag	gtggagagag	ggtggaaagt	gagcagcggg	ctgggctgga	gccgcacacg	540
ctctcctccc	atgttaaata	gcacctttag	aaaaattcac	aagtcccat	ccacaaaaaa	600
aaaa						604

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<210> 5144
<211> 1462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1438)...(1026)
<223> similar to gi3152703 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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ggtgttacca	cttctcctct	gcacactgcc	aagttaaaga	aaacctgct	tgctggagag	180
ggagggccag	acagggagga	attcaagggc	atgtatggct	cagtcccact	tctgactgca	240
gagtataggg	accaggggtc	caaacttttt	ttcgaagtaa	gggaggtggg	gaagaatttg	300
gctgctgttg	taccccggtg	cctagctgcc	atgtttccat	ggaaatgaag	gtggggcgagg	360
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cctccactcc	tacctagcac	atacggtgtg	ccccagccga	ccccagggt	ctctcctcac	480
tgctgctcc	actcccttcc	cttctggagc	tggtatcatg	ccaagtggag	tccaggcgagg	540
gctgccagt	ctactctcca	cagccagggt	tactggcac	gttaggatct	aagtatgtcc	600
gccaagctca	ggagcatccc	tgctagagct	ggtgggtggc	gtgcctcggt	gaaaaggcag	660
cagcagtacc	cccaactctc	tgtgcaactg	ctgtttccca	aacaaaactg	aaaacataaa	720
cccaaact	taagggtatc	actctggcac	aatgctgagg	actgggatgg	gggagaggag	780
gcgcacctc	ctgagactgg	agccacctgt	gcacctgcc	ttctgccc	ctggagtgtg	840
cttcttccca	ctgggctgtc	actggggggc	tggaatccaa	atctccattt	ggtgctgctt	900
tcagcaccca	ctgctgttcg	tttatgaggg	ttgccagttt	ccatgggtgag	gaggtgcagg	960
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ctcactttcc	ctcgaccggg	ga				1462

<210> 5145  
 <211> 834  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (5)...(575)  
 <223> similar to gi3721617 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5145

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gccggaacct	ctgtgtgcct	gtcgttcgca	gagtcgctc	tgcggtccg	acggtcacac	180
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ttggaatgtg	acagggcagg	atgtgatctt	tggctgtgaa	gtgtttgcct	accccatggc	360
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ccccagctg	cgatcactaa	acctggttcc	tgaggaggag	gctgagagtg	aagagaatga	660
cgattactac	taggtccaga	gctctggccc	atgggggtgg	gtgagcggct	atagtgttca	720
tccctgctct	tgaagacct	ggaaaggagg	cagggtcctt	catcgactgc	tttcatgctg	780
tcagtaggga	tgatcatggg	aggctatttg	actccaaggt	agcagtgtgg	tagg	834

<210> 5146  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(299)  
 <223> similar to gi3228237 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5146

gctgtgggtc	atcctgctgc	cagtcagct	gctgcaagcc	cagctgctcc	cagtcagct	60
gctgtaagcc	ctgctgttcc	cagtcagct	gctgtaagcc	ctgctgctgc	tcctcaggct	120
gtgggtcatc	ctgctgccag	tccagctgct	gcaaaccctg	ctgttcccag	tccagctgct	180
gtaagccctg	ctgctgctcc	tcaggttggg	ggtcacctctg	ctgccagtcc	agctgctgca	240
agccctgctc	ctcccagctc	agctgctgtg	tcccattttg	ctgccagtgc	aagatctgag	300
gctctgcccc	caaacctcag	tgggtcctac	agatccgggc	tctccaggaa	tgactgcagc	360
tgtgtcctga	attcctgaag	cagctctctg	aatctgtcct	cctctggact	aag	413

<210> 5147  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (9)...(176)  
 <223> similar to gi5668703 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5147

ccccgacccc	agcaccctca	gcaggcagca	acgcagggtc	tacccccgag	gcccccaactt	60
cctcaccagc	cacgccagcc	acatcttctc	caacaggggc	ttccagcgcc	cagcagcaac	120
tcatgcagca	gatgatccag	cttttggtctg	gaagtggaaa	ctcacaggta	catgaggcag	180
tgggggcagg	tgctgggagc	accactttga	tcctgggagg	tttcaaggga	agcaatagaa	240
tagaggcagt	agggcaagct	tgggagtcag	gtcctgttct	gccacttgct	agccttgggc	300
aggttactga	tgctccctga	gttcagtttg	tgcagatgtg	aaatagagat	gagaagagta	360
atggtactta	cccgtgcact	acatactgtt	ctaaatgctt	tagatttttg	agctcattta	420
cgactcattt	accacattcc					440

<210> 5148  
 <211> 737  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (412)...(122)  
 <223> similar to gi4589484 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5148

tttttttttt	ttcaagctgg	cttttcgtat	attgtgtata	aaaagatcag	attcaggatg	60
atttggtggg	attgccaggg	gctgaccgga	gtgttgctgg	gaaggagcct	cagctccgct	120
ccaggctctc	caccaggtag	gactgggact	cccttagggc	ctggaggagc	aagtccttgc	180
aggtccagtt	ccaggctggt	gtgaaactga	agagcttccg	catcttgctt	gggttggtgg	240
gctcgccccg	cactgcctgg	tactgctcat	ccgtcaggac	cttcccgtac	agagcatcca	300
gcagccactc	aacgtttgtg	accctcgcca	taagcgcagc	ccggtgctgg	tctataaagt	360
gcaggcctgg	cttggtgcc	gactgaggag	gggcctggat	cccagctggc	gcggctccag	420
agccctgggtg	cgtggccgcc	tgcagctgcc	cggccatctc	ctgcaggccc	atgtcgcgca	480
gcacgttagc	ggtgagctcg	gcgccgtagg	tctccaggta	gaagctgacc	agcttgctcg	540
tgaggtccaa	ggcgtccatg	gacagcagcg	cgccccgcgg	gatgcgcccc	tagccctcgc	600

gcagcggcac	cgacagcagc	ttcagcttga	acttcttgag	ctcctcggcg	gtcaggttct	660
ccagcgcata	caggatggcg	tgcgcgcgc	gccccatggc	tccaggatcc	ccggccgctg	720
ccgcccgtca	ccccgct					737

```

<210> 5149
<211> 1741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(889)
<223> similar to gil903218 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5149						
aggaggtggc	cctgagagcc	acagcagaga	atgagtttgt	cgttctaaag	aaggacgtgg	60
actgtgccta	cctgcggaaa	tcagacctgg	aggccaatgt	ggaggccctg	gtggaggagt	120
ctagcttcct	gaggcgccctc	tatgaagagg	agatccgcgt	tctccaagcc	cacatctcag	180
acacctcggt	catagtcaag	atggacaaca	gccgagacct	gaacatggac	tgcatactcg	240
ctgagatcaa	ggctcagtat	gacgatgttg	ccagccgcag	ccgggcccag	gctgagtcct	300
ggtaccgtag	caagtgtgag	gagatgaagg	ccacggtgat	caggcatggg	gagaccctgc	360
gccgcaccaa	ggaggagatc	aacgagctga	accgcgatgat	ccagaggctg	acggcccaga	420
ttgagaatgc	caagtgccag	cgtgccaaagc	tggaggctgc	tgtggctgag	gcagagcagc	480
aggggtgaggc	ggccctcagc	gatgcccgct	gcaagctggc	tgagctggag	ggcgccctgc	540
agaaggccaa	gcaggacatg	gcctgcctgc	tcaaggagta	ccaggagggtg	atgaactcca	600
agctgggcct	ggacatcgag	atcgccacct	acaggcgctt	gctggaggggc	gaggaacaca	660
ggctgtgtga	aggtgtgggc	tctgtgaatg	tctgtgtcag	cagctcccgt	ggtggagtct	720
cctgtggggg	cctctcctac	agcaccaccc	cagggcgcca	gatcacttct	ggccccctcag	780
ccataggcgg	cagcatcacg	gtggtggccc	ctgactcctg	tgccccctgc	cagcctcgtt	840
cctccagctt	cagctgcggg	agtagccggt	cggctccgctt	tgccctagtag	agtcattggag	900
ccagggtctc	ctgccaaagca	cctgcctgcc	tgcatcactg	cactgaatgg	catgtgaatg	960
gaaaatgtgt	gcttgcttcc	agaatcttct	ggatgttctt	acagagggga	agacctacag	1020
agggaaagac	cctcggggccg	ctccccctgcg	ccttttctatg	ctagggagat	gcatacctagt	1080
tgtcctcctg	gcagctgttt	tcagaggcat	tcccagccct	tcacttaact	cctacttagc	1140
tccaaaatac	ctgtatccaa	tttgtattat	tccccagct	ctcagggata	agaccagtcc	1200
cccagcgtgg	tggtcagcac	ggaagctcca	ccttctgggt	ggaggcgcca	tcctaaccat	1260
ccagccaggc	caccacaac	ccgagaatca	gggagaaagt	ccctccccag	cagccccctc	1320
ctcctggctg	ggaagaatgg	tccccagca	agcacttgcc	tgttcattcc	cgttcatggt	1380
ttgcttctct	ctcagactgc	cttctctgctt	ctgggctaac	ctgttccagc	caggctcctc	1440
atgtgacctc	gcagttgaga	agcccattat	cgtggggcat	ccttttgcct	acagccccctg	1500
gttagggcac	tttggacagg	tcttgcattt	cagtgaacct	ttgtacattt	caaagaagac	1560
tccatggctg	ctccagatgc	ccccttgcctg	gggtgcagggtg	gggactgtcc	aatgcagagc	1620
tggcgggaca	gagagttaag	ccacttcctg	gggtctccttc	ttatgactgt	ctatgggtgc	1680
attgccttct	gggttgtctc	gatctgtgtt	tcaataaatg	ccgctgcaat	gcaaaaaaaa	1740
a						1741

<210> 5150  
 <211> 1090  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (13)...(818)  
 <223> similar to gi3868802 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5150

cccacgcgtc	cgaagagtgt	agaggctgat	gtcaatgggt	taccaagagt	gatggatgaa	60
ataatcctgt	gcagaacaga	tctggagatt	cagtatgaaa	ccctgagtga	ggagatgact	120
tacctcacia	tgaaccataa	agaggaaatg	ctggttctgc	agtgcgcagc	tggaggcaac	180
gtgaacgtgg	agatgaacgc	agcccccggg	gtggacctca	cagttctgct	gaacaacatg	240
cgagctgagt	acgaagccct	tgcagagcag	aaccgcaggg	acgcggaggc	ctggttcaac	300
gagaagagcg	cctccctgca	gcagcagatc	tctgaggatg	tcggagccac	aacctcagcc	360
cggaatgagc	tgactgaaat	gaagcgcact	cttcaaacc	tggaattga	acttcagtct	420
ctcctagcca	cgaaacactc	cctggagtgc	tccttgacag	agaccgagag	caactactgt	480
gcgcagctgg	cgcagatcca	ggctcagatc	ggggccctgg	aggagcagct	gcaccaggtc	540
agaaccgaga	cgcagggccca	gaagctggag	tatgagcagc	tcctggacat	caagctccac	600
ctggaaaaag	aaattgagac	ctactgtctc	cttataggag	gagatgatgg	agcctgtaag	660
tctggggggt	acaagtctaa	agattatgga	tctggaaatg	tgggaagtca	agtcaaagac	720
ccagccaaag	ccatagtggg	taagaaagtt	cttgaggagg	tagaccaacg	cagcaaaata	780
cttaccacca	ggctccactc	cctggaagag	aaatctcaaa	gcaattaatt	tgagatgcaa	840
cagagaacgt	atgccacata	gccctgcga	agaaaaggca	ttatgtatct	gtccagaaaa	900
atgtgcatgt	cctaagaaaa	atgtctaacc	tgttgtcttt	ctgttacttt	ctttctgggc	960
aatcaatgac	agcatctccc	ccattccatc	ttagaagaat	gccacacaca	aatatgactc	1020
catttggtt	atccctacag	aaatctgttg	tcaattcttt	gtattcaata	aacctcttct	1080
tttagcaagtt						1090

<210> 5151  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (197)...(435)  
 <223> similar to gi4874315 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5151

tttcgtgggg	aagggcccca	ggcaggctga	ggattctagg	ggcgggggtgg	gaaggaggac	60
cggccgaacc	ttgggtgtgg	gacagagtgc	gtgcgtgtgg	tgtgtcccca	agggcaggaa	120

ggtggcgaag	ggaggcgaat	ccgagtgggt	ggagggaggg	gaagggcggg	aggagaaaaa	180
ggtgggagga	ggaccaggtg	ggaggggtggc	ggctcactca	ggacccagcg	ggggcagcgc	240
gatgaggcgg	gtgaccctgt	tcctgaacgg	cagccccaag	aacggaaagg	tggttgctgt	300
atatggaact	ttatctgatt	tgctttctgt	ggccagcagt	aaactcggca	taaaagccac	360
cagtgtgtat	aatgggaaag	gtggactgat	tgatgatatt	gctttgatca	gggatgatga	420
tgttttgttt	gtttgtgaag	gagagccatt	tattgatcct	cagacagatt	ctaagcctcc	480
tgaaggattg	tttggattcc	acacagagtg	gctg			514

<210> 5152

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(272)

<223> similar to gi5917706 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5152

ggcctggatc	cacaacatca	cccacgggtc	ggggatcggc	aagccaatcg	aggccttcca	60
tacttcgtct	aggaatgcgc	gcaacgtctc	ccaggcctgg	cgccacgcgt	tgcccttcac	120
taagatcctg	cgcgatgcagg	aggtgtgcgc	cggcgcgctg	cagctgctgg	gctaccggcc	180
tgtgtactct	gcggaaccagc	agcgtgacct	caccctggat	ctggtgctgc	cacgaggccc	240
agaccacttc	agctgggcat	cgctgactg	agaactctgg	gccttagagc	aggccccgaa	300
ctgtggctgc	caggcccagg	aggcgactgc	atggtggaga	gggagctggg	gcgcatgggg	360
aagcaggtcc	ctactatcaa	ccgggagttt	ggggtcctcc	cctgaagtag	gcaaggactg	420
cacgtttctt	tctctcctga	ttctcggttt	tcctttgaat	cttctggagc	tgcccttctca	480
tcaggtgcac	tcttcatgga	aagcaactct	tgcccctacc	tcttctgggc	gcagggagta	540
agttactgct	aaattaaatt	aaatgtgtgc	caggccgggt	gcggtggctc	atgcctgtaa	600
tcccagcatt	ttgagaggct	gaggcgggtg	gatcacctga	ggtcaggagt	tcgaaaccag	660
cctggccaac	atagtgaaac	cccctctcta	ctaaaaatgc	aaaaattagt	ccggcggtgg	720
ggcacc						726

<210> 5153

<211> 1071

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1003)...(379)

<223> similar to gi538200 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5153
tttttttttt ttcataactc tggtcactat tttcatccgc atctgtcact tctgatgcgt      60
ctctaacatt tataagattt ctctggggag ggatttgacg tatccatgcc ccacctcttt      120
ctacatttat gggattgagc tctccaccag ccacccatgg gctgatgtct ttggaatatg      180
gatctagtac caacagagtc agaaaaagag atgggggtcca atgggctaca gttgggtggt      240
ggtcctggga tacacagcac agtggcctct actgggggat ggcagctttc caggagaaga      300
gtcgcaagct tgctgtggg acttgtgtct tgtggagagg acagggtgc ctcagcttgg      360
ggagacagac agagtgttcc gggccccctc tttccgccgc agcatgaagt ctctgggggc      420
gactggactc atggcataga agacgttggc attgtcagga atcaggagca cccgggtccc      480
aggaaggact tgaaagagct gatagtcaca ggcccagggc tggggcacat tgtgcttctg      540
caaggctcgc cggaccacgc tgggggcttt gtctgactg gtcagcaaga tgcttcgata      600
caggttcccc tggtcattgt cgatgctgac gcggatgaca cgggcctccg agctctgctg      660
cgccgggagg gggattcgag ggctgcccag aggcaaagcg aaggggccggg ggctgggcag      720
gtccaggctc aggggcagct tgggtgctggg gccctggggc cctggagagg ccgggggact      780
gccagcagga gcatctctgc ttctaggact tgaggggggt gaccctgggg acacactgga      840
ggtgggggat gagggggtccc cgggactccc actaggtgat gagcttttct ctcgggcaag      900
cttcgcactg agacgttgg tgaggtgat ccgccgtcgg atgctgggg agctggggca      960
ggaggcagct ggtggctcaa tgaccggga gagccggtag ctgaggggtc aatctgtgga     1020
tgaggtggtg ggggcaggaa atacagggga tggagagata agagttggaa t             1071

```

<210> 5154

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (611)...(339)

<223> similar to gil1613788 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5154
ttttttgctg ctccaggagt ttttattgaa cattctggtg ggggtggggtg ggggttgggag      60
gtgtcctgtc agtcagtcac ccaccaatag cctggggggc cgagactcct gaccccatc      120
tgggcccgtc ttttggcctc cctgggcagc gcccagaaca gagggggccg cctgcggggc      180
tgagtgggct ttgtatggg ggcacatgg aaggctgccc gccacaggac aggccctggg      240
ttgagagggc ctgggaaggt gccgccaggc tagaggtcgg gaaggggcgc tgagcagaca      300
cgccagcatc cgctgctagg tgetggccag ggctggggcc ttggagcccc gctgcttgtt      360
catggcactc aggagctgct gcacatatga ggtcagcagg tcatccatct tatagcccag      420
ggaggtctcg cacagcaggc ggctgccacg gccagggtc cccagcgcca tgtggaagta      480
ggtgctgccg ctgctccagc tggagatctt ggtgaaggga taggtggtga gcaggctcct      540
ggtcttgggg tggatgagca gaaccccatg tcggttgatg gcgatgagga tgacgtccgg      600
gtaggaag                                         608

```

<210> 5155  
 <211> 1205  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (20)...(772)  
 <223> similar to gi6014681 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 5155
cggggagccc cggggggccc cgccaccgcc gccgtccgcc gtcacctacc cggactggat      60
cggccagagt tactccgagg tgatgagcct caacgagcac tccatgcagg cgctgtcctg      120
gcgcaagctc tacttgagcc gcgccaagct taaagcctcc agccggacct cggctctgct      180
ctccggcttc gccatggtgg caatggtgga ggtgcagctg gacgctgacc acgactaccc      240
accggggctg ctcatcgcct tcagtgcctg caccacagtg ctggtggctg tgcacctgtt      300
tgcgctcatg atcagcacct gcacacctgcc caacatcgag gcggtgagca acgtgcacaa      360
tctcaactcg gtcaaggagt ccccccata gaacatcgag cgccacatcg agctggcctg      420
ggccttctcc accgtcatcg gcacgctgct cttcctagct gaggtgggtg tgctctgctg      480
ggtcaagtgc ttgccctca agaagcagcc aggccagcca aggccacca gcaagcccc      540
cgccagtggc gcagcagcca acgtcagcac cagcggcatc accccgggcc aggcagctgc      600
catcgctcgc accaccatca tgggtgccctt cggcctgctc tttatcgtct tcgccgtcca      660
cttctaccgc tcaactggtta gccataagac tgaccgacag ttccaggagc tcaacgagct      720
ggcgaggattt gcccgcttac aggaccagct ggaccacaga ggggaccacc ccctgacgcc      780
cggcagccac tatgcctagg cccatgtggt ctgggccctt ccagtgcctt ggccttacgc      840
ccttcccctt gaccttgctc tgccccagcc tcacggacag cctgcgcagg gggctgggct      900
tcagcaaggg gcagagcatg gagggaagag gatttttata agagaaattt ctgcactttg      960
aaactgtcct ctaagagaat aagcatttcc tgttcttcca gctccaggtc cacctcctgt     1020
tgggaggcgg tggggggcca aagtggggcc acacactcgc tgtgtccctc ctccctccct     1080
gtgccagtgc caccctgggtg cctcctcctg tcctgtccgt ctcaacctcc ctcccgcca     1140
gcattgagtg tgtacatgtg tgtgtgacac ataaatatac tcataaggac acctcaaaaa     1200
aaaaa                                         1205
  
```

<210> 5156  
 <211> 1762  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1763)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (127)...(1067)  
 <223> similar to gi3874026 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



```

<400> 5156
gcaccctccc ctcacaatcg gcagcataag cacagacgta aacgcaggaa ccaatgcgat      60
tttaggttga atttaggaca gcgctggaac ttcactttac ccctcttgcg gtcacacgag      120
caaagcgagc tgaattcctt cttgtggacc attaagcgag acccaccatc ttacttcttt      180
ggcacaatcc atgtcccgtg caccgcagtt tgggacttca tccccgacaa ctctaaggag      240
gctttcctgc agagcagcat tgtgtacttt gagttggatc tcacagaccc ctataccatc      300
tcagctctca ccagctgtca gatgctgcc aagggcgaga acctccaaga tgtgctcccc      360
agggacatct actgccgcct caagcgccac ctggagtatg tcaagctcat gatgcccttg      420
tggatgaccc cagaccagcg cggcaagggg ctctacgcag actacctctt caatgctatt      480
gccggaaact gggagcgcaa gaggcctgtc tgggtgatgc tcatgggtaa ctccctgact      540
gaagtggaca ttaagtcccg tggagtgcct gtcttagacc tgttccttgc ccaggaggct      600
gagcggctga ggaacacagac tggggcagtg gaaaagggtg aagagcagtg ccattccattg      660
aatgggttga acttttcaca ggatcatctt gctttgaacc agaccctcct gcagcaggaa      720
agcctgcgag caggcagctt tcagatcccc tacacgacgg aggatctcat caaacactat      780
aactgcgggg acctcagctc cgtcatcctc agccatgaca gctcccagggt tcccaatttt      840
attaatgcc aagctaccacc tcaggagcgc atcaactgctc aggagattga cagctactta      900
cgccggggagc tgatctacaa gcggaatgag agaataggga agcgggtgaa ggcccttttg      960
gaggagtccc ctgacaaagg cttcttcttt gcctttggag ctggtcattt catgggcaac     1020
aacacagtgc tggatgtttt gcggcgtgaa ggctatgagg tagaacacgc cctgctgga     1080
cgacctacc acaaagggaa gagtaaaaag acctccacac ggcccactct gtccaccatc     1140
tttgctccaa aagtcctac cctggaagta ccggcaccag aagccgtatc ctcagggcac     1200
tcaacgtgc ctcctcttgt gtcccgccct ggaagtgcg acacgcccag tgaggccgaa     1260
cagaggttcc ggaagaagcg gaggcggtca cagcggaggc cgcgactccg gcaattcagc     1320
gatctgtggg tccgcctgga ggagagtgc atagtccgc aactccagggt ccctgtcctg     1380
gacaggcaca tctccactga actgcggctc cctcgcctg ggcattccca ccacagccag     1440
atggtggcca gcagtgcctg cctgtctctc tggactcctg tggtctgggt gctggtgctg     1500
gctttccaaa cagagacacc cctcctgtaa cgactggaag caccaggcta agaacctgac     1560
ccctcggact tgaagaatgg ccattcctgt actccacatt ctggtctagc cttgttgggc     1620
ccaatccaga agagactgct cttgaaaaag cggcccagtg ttgattcttc tctttccaag     1680
gaatgtgact ttgggttatc caactttggg ggcagggtgta cagttttgta acataagtga     1740
gtgtgntgtg aaaataaatt at                                         1762

```

<210> 5157

<211> 1701

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1702)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1653)...(984)

<223> similar to gi4903004 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5157
tttttttttt ttggctgtgg ttgtaggaac caccctacag cctagaagac tttattaaga      60
tctttattgct tatgcagtta aagagacact gattgagcta caggtttcct gtacctggtc      120
tcaggtcact ctgtgcagag cttccccagg ctgttgggag ctgggagact gctaggcagg      180
ggcaggcccc agagtgggaa gcatggtacc tcctaggagc ctcagagtgg gtagcgggct      240
tcaagacagc cctcaggggtg aacagagagg tcaggagtgt cggcttaagc cagggccag      300
gggctacatt ccctgagatg agtcaagccc agccctctct ggggtttcca gaacaaaggc      360
taggtgtggg gagcagcact gtggagaggg cagggagcat gtctctaggc attgctggaa      420
ctggaggaga ctgtcagagt ggtttgggta atggttgtat aatctgtggc aactgggcct      480
tcttgcataa aagtgaagg gtgaggatcc cttatggaag agtcatgcac catggctggg      540
ctggactagc cagctccagt ggctctgctg ggtgactaaa gtaggcaagg aaagccactt      600
gttgcccaca cccactttc atcaactctg ttcatgcagg acaaagcagg gagctgcccc      660
acaaggatgg gggtatttct caggcctagg tattgatgtt accttaattc tttagtctgg      720
aagaacttgg ttgggggtgg gggatggtaa gcatttcctt aaccaaacc acacttcaca      780
tctcctaggg gtaccccttc atccaccaac ctccagagaa taacctgggt gccctcactt      840
ctccagcttt tctcacaagg cacttggttac agggctgctg atgggagagg gaggaaggcc      900
tgggaggggg atctggtggg ggcgcccaat ctacagggtc cggaatcagg gtggaagttg      960
tcagggacta gcggctgcca tagtacaggc gcatggccag gccaatgagc aatgtggcca     1020
ggaagaaggc ggctgtgagc tgcagccgta gcaggactgc tgagagcacg gcgttgacca     1080
ccagcgagca ggacaccaca aagaggcgtg tgatgctgct gccatgcttc atgacagcag     1140
acatgagcag tccatttagt gcctggctca gcaccacgag tgctgcccac cctgagaaac     1200
cttcaggag gctggggcca gagccgcccgc cagcatgcag acctagattc agaagcacac     1260
caaaagtgtg gaggaagagg ttctgaagtg ccaggggcag ccgctgtcgc ttcattgagca     1320
gctctgtgta cactgacgac aagcctgaga tgaggcagta cagaatgagg agcagcaggc     1380
ctagcggagt gatatgcagg ggcattggggc tggcagcagc tgctggaggg ggactgggaa     1440
gggtgttccc gggaacttga agggccctct ctgcatagca ggctcccgca gccatcagca     1500
gcagcagcgc taacccttga cgcacagaga ggcgggtgcc gaggcagagg cagtagagcc     1560
cagctgtgct tccaatcttg agattactca gcacctggta ggtgctgggg tccatgtaac     1620
gctgaagata gatcaccagg ttgttcttag cgcgcgcccg cgtgggtcga cgcnggttct     1680
aaggacgtcg agcgggggtca g                                     1701

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```

<210> 5158
<211> 663
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (96)...(219)
<223> similar to gi3327068 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

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<400> 5158
gatttcatct ttcagctgca tcttctgacc ctgttaaaaa gggagtacta acagtggact      60
tctctggagt actaacagtg gacttctctc cgtagggtta tgataattca gagagcagtg      120
ttcgaaaagc ttgtgtcttc tgccctgggtg ctgttcatgc ggtaattggg gatgaactaa      180
aaccacatct cagtcaactt actggcagta aagtaagtag tgctgctgtg ctttagagat      240
ggtggccata gtacatcttt caaaacttag ttacatgtct gtaacagtaa gctttttatt      300
tggcatttaa taagtcaggc tttgagcatc caacttgccc ttattatttc tgttttgtat      360

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tttatctttt	tctactctaa	catttggttag	atgttcactc	aggtgaagtc	agcagtttgt	420
tggggtgatg	ggtagggttc	tgtgagagaa	aatgcctgca	gcttctgggt	atttataata	480
gttagctgac	tccttaccaa	atcccagacc	caaactctta	ccccgacca	ctgttttatt	540
aagaataaat	agactgttgt	ggttatatat	attaatggat	tactgtatat	ctctccaaat	600
atagaatact	tgcacattta	aaaatttttc	cccttaagaa	ctatgataat	caaataatttg	660
tcg						663

<210> 5159

<211> 2289

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(266)

<223> similar to gi3879893 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5159

ggccatggtc	ttcggagggg	tggtgcccta	cgtcccgcag	tatcgggaca	ttcgcaggac	60
gcagaacgcc	gacggcttct	ccacgtacgt	gtgcctgggt	ctgttgggtg	ccaacatttt	120
gcggatactc	ttctggtttg	gaaggcgctt	tgagtccccg	ctgctgtggc	agagcgccat	180
catgatcctg	accatgctgc	tgatgctgaa	gctgtgcacc	gaggtccgtg	tggccaacga	240
gctcaacgcc	aggcgccgct	cctttacagc	tgcagatagc	aaggatgaag	aagtcaaggt	300
tgcccccagg	cggtccttcc	tggacttcga	ccccaccac	ttctggcagt	ggagcagctt	360
ctcggactac	gtgcagtgcg	tcctggcctt	cacgggcgtg	gcgggctaca	tcacctacct	420
gtccattgac	tccgccctgt	ttgtggagac	cctgggcttc	ctggctgtgc	tgaccgaagc	480
catgctgggt	gtgccccagc	tttaccgcaa	ccaccgccac	cagtccacgg	agggcatgag	540
catcaagatg	gtgctcatgt	ggaccagtgg	tgacgccttc	aagacggcct	acttccctgt	600
gaagggtgcc	cctctgcagt	tctccgtgtg	cggcctgctg	caggtgctgg	tggacctggc	660
catcctgggg	caggcctacg	ccttcgcccc	ccacccccag	aagccggcgc	cccacgccgt	720
gcaccccact	ggcaccaagg	ccctctgaca	gtggggagga	cgaggatgtg	ggaccgccag	780
ccgcgggcac	tggtgggccc	tgaacctccc	cgcggggagg	gtgggtaccg	tggccccctgc	840
aggtgtggca	gagatggggc	ataggcattg	gggtctccat	cagcctctgt	aggggtgtct	900
agggttgtca	gtgggggtgg	ggctgggacg	ctgtttgtgc	tcagcgggga	cagccagggg	960
tgatctggcc	ccgagggttt	tggatgtttt	taggatgaca	taaaaagcaa	gtgttttccc	1020
catttcctct	tatgaaacac	cgtctgagcc	caaggtacac	attgggcggc	ctgcaggaaac	1080
ctgctccagg	tggacacacg	ggccagcagc	cgcgaacctt	gaagctgggg	tgaccgcagg	1140
agaccctgta	aggcctgtga	gcggagccct	cgaccccggt	acaccctggc	cagacaccct	1200
gcttggaactg	gggtggcctc	tgtacccag	gggtctggca	cgggggaggg	ctggggcttt	1260
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ctctggttct	cctcgagtc	ttggggacgt	ggcagatgcc	agcgaccatc	agacaacgtg	1500
gaggccctca	tgggcaatgg	ctgagggggc	cgggctgagg	ctgtgcacat	gcagtctgca	1560
cgccactctt	gggctctgct	ggcggagatc	cccttccttc	tgggtgcaga	ctgcacctcc	1620
ggatgcagtt	ttgatgtcca	tcttcagga	gagagacggg	ctcgggtcca	gggagtggag	1680
ggggctgccc	ctgccgtgca	ggtcctggcc	gatggcgcc	tacctgctg	ccctgggctt	1740
ttggcctgaa	gcaaattcct	gagtgggggg	tactggggcc	tgccgcatcc	tgtcctgtcc	1800
actgccacc	cccgtgtgct	ggctccctca	cttctggctg	cagtggggagc	cgccagtctg	1860

acccttgtca	ccgcacgctc	tgccccacc	ccgttgcaag	aggtcacacc	atgtcagcag	1920
ccttgcactg	accgcagccg	gccccagggc	ctcagagtcc	tggtatgctc	cgtgcggctc	1980
caacaggcat	cgtcttcctt	tccgcagggtg	gaggggcccgc	ttcccgcagg	catctgagct	2040
ctgtgccggg	gccgtggcca	tggaagatg	ttccacgctg	cctcctcctc	gagttttcct	2100
cggaaacact	cttgaatgtc	tgagtgaagg	tcctgcttag	ctctttggcc	tgtgagatgc	2160
tttgaaaatt	tttatttttt	taagatgaag	caagatgtct	gtagcggtaa	ttgcctcaca	2220
ttaactgtc	gccgactgca	ggcgcagtga	ctgctgaaaa	aaaacctcgt	gccaagcttg	2280
gcgtaagcg						2289

<210> 5160

<211> 957

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (110)...(455)

<223> similar to gi505658 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5160						
gaatccaaat	ggtcctcaca	gtgccacggc	ccggggcagg	atggcagccc	ctctgcacct	60
tgcacgttgg	ctgggttcaact	cttaactcct	taccagctg	aaagtgaatg	ggcggctaga	120
ccaagaggag	tttgcgcgac	tgtggaagcg	ccttggtcac	taccagcatg	ttttccagaa	180
ggttcagaca	agccctggag	tcctcctgag	ctcggacttg	tggaaggcca	tagagaatac	240
agacttcctc	agagggatct	tcatcagccg	tgagctgctg	catctggtga	ccctcaggta	300
cagcgacagc	gtcggcaggg	tcagcttccc	cagcctggtc	tgcttcctga	tgcggttga	360
agccatggca	aagaccttcc	gcaacctctc	taaggatgga	aaaggactct	acctgacaga	420
aatggagtgg	atgagcctgg	tcatgtacaa	ctgaagcaaa	gaggaaagca	gacccatggc	480
tcaggacaag	ctcccagtga	tcactcaaga	atctggctct	cattctaaga	ggctgtgctg	540
cccagtatgg	tggttgtgat	aaatctaaac	cagccctgca	tgaaacagag	tccaagctgt	600
ctcccaacag	cctgggttcg	gtccttggtc	ggcccaggcc	cagttaagcc	tgtggccacc	660
aagcagctca	tctgagcact	ttgggatgta	ttcagcctac	gttgccctgg	aaaaggaagc	720
aggagatgtc	tcctgtggg	aaaggagaag	agaagttgtc	tctgagtccc	ctgtcaccag	780
ttggattcat	ttcttggaa	agccagaatg	agccactttg	accacctcgc	ggtgctatgg	840
gtgacacaag	agctgtccac	tgggtgtttg	cagaataatt	acactatctt	atgtctggat	900
cctgatgatt	tcacagctaa	atggcaaaaa	taaaacatgt	ttcccataaa	aaaaaaa	957

<210> 5161

<211> 978

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(829)

<223> similar to gil335277 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5161

gaaagccaca	aggacgacgc	ccacaaggag	gaaaccagcc	ccaacgtccc	ccacctctc	60
caggaaagcc	acaaggacca	ccccacaaag	gaggaaacca	gtcccaaggt	ccccacctc	120
ctccaggaaa	gccagaagga	cgacccccac	aaggaggcaa	ccagtcccaa	ggteccccac	180
ctcatccagg	aaagccagaa	agaccacccc	cacaaggagg	aaaccagtcc	caaggtcccc	240
cacctcatcc	aggaaagcca	gaaagccgac	ccccacaagg	aggacaccag	tcccaaggtc	300
ccccacctac	tccaggaaaag	ccggaaggac	cacccccaca	aggaggaaac	cagtcccaac	360
gtaccccacc	tcctccagga	aagccagaag	gacgaccccc	acaaggaggc	aaccagtccc	420
aaggtccccc	acctcgcca	gaaatgccag	aaagaccacc	cccacaagga	ggcaaccagt	480
cccaccgtcc	cccacctcct	ccaggaaagc	cagaaagacc	acccccacaa	ggaggcaacc	540
agtcccaagg	tccccacct	catccaggaa	agccagaagg	accaccccca	caggaaggaa	600
acaagtcccg	aagtgcccg	tctcctccag	gaaagccaca	aggaccaccc	caacaagaag	660
gcaacaagcc	tcaaggtccc	ccacctcctg	gaaagccaca	aggccacccc	ccaccaggag	720
gcaatcccca	gcagcctcag	gcacctcctg	ctggaaagcc	ccagggggcca	cctccacctc	780
ctcaaggggg	caggccaccc	agacctgccc	agggacaaca	gcctccccag	taatctagga	840
ttcaatgaca	ggaagtgaat	aagaagatat	cagtgaattc	aaataattca	attgctacaa	900
atgccgtgac	attggaacaa	gttcatacata	gctctaactt	taatatacca	ataaaataat	960
cagcttgcaa	aaaaaaaa					978

<210> 5162

<211> 1868

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1868)...(1032)

<223> similar to gi854328 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5162

tttttttttt	ttaacagtaa	ttcttcagac	tttattaaaa	aatgacataa	agtgcattctt	60
attaaaaaat	gtataaaaac	cacataaatt	cagggcccct	gtgctgggca	gtgttgatat	120
cccttagagt	ggaggaaggt	gagggatgga	gggtgaactg	gggactgggg	agaggaccag	180
ggtgcagtta	gttcctcgtg	tttgagttca	aagatggagc	gaggggtggat	atgggtgggaa	240
ggggcacacg	ggttctcagc	caacaacgga	ggaaggcagg	cgacagtctc	ttccctgaat	300
tctgagggaa	aggcgtacat	tgtcacgaaa	tctctcctga	gctcgcgctg	tcctctcgtg	360
tggccacagc	ctgatacagg	ctggaaaggt	ccaggagttg	ggtecgagcc	caggacctgg	420
tgaggggccg	agtgccaacc	tagccctctg	gtccctgagg	tggtgggacg	acggcagcaa	480
caactacatc	ctcggctgac	tggcaaggca	gaacgcacgc	agcccaagct	ggtectgaat	540
ctgcagttag	acagggcagc	cggtggcagc	gggataatgt	ggaaggtgaa	gaggccagtt	600
ggtgaggggt	tccaactctg	tctcagacaa	ccactttgga	tgcattccca	gcacccctgg	660
gaggccatga	actggagcag	ccgtgtgtgc	tgcattgccat	gctatctctt	ccctctcatt	720
ctagtttcac	atttgaatt	gttttttaaa	caaagggtc	agtttacata	aggagcactg	780

ttccaccaac	ctaggcaggc	ccccatattt	ggccaggacc	tctggggcca	cggtctgttg	840
ggtgtctggg	tggtaggagc	ttcgctactt	gactggagag	cagcaggcca	gctggcccca	900
aggctcccaa	gggccgggca	ccacggtcgt	gttccacgaa	gagcagagcg	gaggggaggt	960
ccagttgacc	ctctccgagc	attcacagcc	cctgaagcca	gggcagcgtc	ctctggaagt	1020
cagctctcac	accacagagt	cacggatctc	cgagccaagg	cggacccggg	gccgggggca	1080
cactggggat	acctccacga	agctgtcttg	gatgctgagt	ggcctcttct	ctgactcagt	1140
gaagactcgg	gcccccgggg	ggctgtctga	cagggactgg	taccctcggt	gatcgagcgg	1200
ggtgctaggg	ggccctaggc	cgttgagtgg	gcgggtctca	gggggcagca	ccacagggca	1260
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gtgccggtag	agcaagaata	aaactgggag	cagcacggcc	agcaciaaaga	gcgtgcacat	1380
caccaggaac	tccttccagt	aggacctgtc	tgcaccccag	ctggccttgc	caccagctgg	1440
tgcactcaca	cgcgatgtgc	tgataatgac	gggtacactg	ccaccctcat	ctgtttggtc	1500
tgccaccccg	tcctccacca	cctctgggca	gtagctggct	accagctgct	ggaagccctc	1560
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tcgggtcgcc	aggttggaga	ggagcgggca	ggccaaagtg	ttactgtgt	tgggctggaa	1740
ctggacttgc	tcacatggct	tctcccctgt	tggtacaaaa	gacggggaca	caaccgaaga	1800
cgcgctgcaa	aggtccttgg	cgctggctcc	ctcgatgtcc	tgatccacg	gcctggtggc	1860
cagctgag						1868

<210> 5163

<211> 934

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (937)...(663)

<223> similar to gi485110 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5163

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ttaaaataat	agcaattgag	tccataggag	aagacgacat	tcttgcttga	caaggtagga	120
acaaattcat	tatatttcac	caagactaaa	attacaaagt	ttgggtgtgt	aaaggcaaga	180
tttaattggt	gggaaaattt	atccgagcca	gccaccacga	caaaagccag	gctgacaaaa	240
tcaaattgat	tctttacatc	ctccaagttt	cagaagaatc	ttgaatatgg	ttagccagaa	300
gatatggtaa	at ttgacccc	aaacatttgc	ttgaaggagt	aaggctcttct	aatgagtga	360
tgtaagaga	tcagcacata	agtaatagct	tatttatcct	ttaggtcaca	tccatctgtg	420
aatcaagcag	ccttgacgtc	cacatgggtc	gcctctctcc	catggctcga	ggctcaatga	480
tcaaggttgt	ttagccagtc	ttagagtata	taaaaagcct	ctccattttt	ttttggttgt	540
tttagagaga	gaatacgcga	gggaattcct	cacaggagga	gacgtagtcc	taaatccctt	600
ctgctttccg	ttgcattgga	tgtatcactt	gttctcttta	ataatcattt	tttccatcct	660
cattcattgt	acttggacag	ttttaacctg	gggatgatgt	tcatagactg	tagttcctgg	720
aagagcagct	tgcaggcata	cggaatacgg	aggggaagaca	cgtggcagga	tgacttgcag	780
taatggcacc	agccagaata	ccccagaagt	ccacactgcc	cacagacatc	aacctcaaag	840
gcatcacttg	aaatcattag	tctctctagc	aaaagcatac	tggctccata	accgattaaa	900
cagtcacggt	ccatttcccc	gagacgcaag	ccac			934

<210> 5164  
 <211> 1445  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(798)  
 <223> similar to gil314373 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5164

atgaagaagg	aggtgtgctc	cgtggccttc	ctcaaggccg	tgttcgcaga	gttcttggcc	60
accctcatct	tcgtcttctt	tggcctgggc	tcggccctca	agtggccgtc	ggcgtgcct	120
accatcctgc	agatcgcgct	ggcgtttggc	ctggccatag	gcacgctggc	ccaggccctg	180
ggacccgtga	gcggcggaca	catcaacccc	gccatcaccc	tggccctctt	ggggggcaac	240
cagatctcgc	tgctccgggc	tttcttctac	gtggcggccc	agctggtggg	cgccattgcc	300
ggggctggca	tcctctacgg	tgtggcaccg	ctcaatgccc	ggggcaatct	ggcgtcaac	360
gcgctcaaca	acaacacaac	gcaggggccag	gccatggtgg	tggagctgat	tctgaccttc	420
cagctggcac	tctgcatctt	cgctccact	gactcccgcc	gcaccagccc	tgtgggctcc	480
ccagccctgt	ccattggcct	gtctgtcacc	ctgggccacc	ttgtcggaat	ctacttcact	540
ggctgctcca	tgaacccagc	ccgctctttt	ggccctgceg	tggatcatgaa	tcggttcagc	600
cccgtcact	gggttttctg	ggtagggccc	atcgtagggg	cggtcctggc	tgccatcctt	660
tacttctacc	tgctcttccc	caactccctg	agcctgagtg	agcgtgtggc	catcatcaaa	720
ggcacgtatg	agcctgacga	ggactgggag	gagcagcggg	aagagcggaa	gaagaccatg	780
gagctgacca	cccgtgacc	agtgtcaggc	aggggccagc	ccctcagccc	ctgagccaag	840
ggggaaaaga	agaaaaagta	cctaacacaa	gcttcctttt	tgcacaaccg	gtcctcttgg	900
ctgaggagga	ggagctgggtc	accctggctg	cacagttaga	gaggggagaa	ggaacccatg	960
atgggactcc	tggggtaggg	gccaggggct	gggggtctgt	ggggacaggt	ctctctggga	1020
cagacctcag	agattgtgaa	tgcagtgcc	agctcacagg	ctgcaagggc	caggccagaa	1080
aagggtgggc	ctgcagcctg	cacccccac	cttccccaac	ccttcctcaa	gagctgaagg	1140
gatcccagcc	cctaggtggg	cagaggcaga	ccctcccag	agctccttag	gaagaagaca	1200
gactggttca	ttgaatgccg	ccttatttat	ttctggtgag	gatgcatgcg	tggggctgct	1260
ggtgtttaga	gtgggggcta	cccaataaat	caactgatact	caaaacacca	gcagaccctc	1320
cccagagctc	cttaggaaga	agacagactg	gttcattgaa	tgccgcctta	tttatttctg	1380
gtgaggatgc	atgcgtgggg	ctgctgggtg	ttagagtggg	ggctacccaa	taaatactg	1440
atact						1445

<210> 5165  
 <211> 1620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (9)...(1326)  
 <223> similar to gi4262587 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5165
ggcacgagcc caagcaattc aagaccacgc aatactacaa cggcctgaag cagatctgtc      60
cagaagtgga gaatgccagc ccaggggcct tgaagagtca gaggctccca gatctgacca    120
cagtcatttc ggtggatgcc cctttgccgg ggaccctgct cctggatgaa gtggtggcgg    180
ctggcagcac acggcagcat ctggaccagc tccaatacaa ccagcagttc ctgtcctgcc    240
atgaccccat caacatccag ttcacctcgg ggacaacagg cagccccaag ggggccaccc    300
tctcccacta caacattgtc aacaactcca acattttagg agagcgctg aaactgcatg    360
agaagacacc agagcagttg cggatgatcc tgcccaaccc cctgtaccat tgcttgggtt    420
ccgtggcagg cacaatgatg tgtctgatgt acggtgccac cctcatcctg gcctctccca    480
tcttcaatgg caagaaggca ctggaggcca tcagcagaga gagaggcacc ttctgtatg    540
gtacccccac gatgttcgtg gacattctga accagccaga cttctccagt tatgacatct    600
cgaccatgtg tggaggtgtc attgctgggt cccctgcacc tccagagttg atccgagcca    660
tcatcaacaa gataaatatg aaggacctgg tggttgctta tggaaccaca gagaacagtc    720
ccgtgacatt cgcgcacttc cctgaggaca ctgtggagca gaaggcagaa agcgtgggca    780
gaattatgcc tcacacggag gcccggatca tgaacatgga ggcagggacg ctggcaaaagc    840
tgaacacgcc cggggagctg tgcattccag ggtactgctg catgctgggc tactgggggtg    900
agcctcagaa gacagaggaa gcagtggatc aggacaagtg gtattggaca ggagatgtcg    960
ccacaatgaa tgagcagggc ttctgcaaga tcgtgggccc ctctaaggat atgatcatcc   1020
ggggtggtga gaacatctac cccgcagagc tcgaggactt ctttcacaca ccccgaagg   1080
tgcaggaagt gcaggtggtg ggagtgaagg acgatcggat gggggaagag atttgtgcct   1140
gcattcggct gaaggacggg gaggagacca cgggtggagg gataaaaagt ttctgcaaag   1200
ggaagatctc tcacttcaag attccgaagt acatcgtgtt tgtcacaaac taccacctca   1260
ccatttcagg aaagatccag aaattcaaac ttcgagagca gatggaacga catctaaatc   1320
tgtgaataaa gcagcaggcc tgtcctggcc ggttggettg actctctcct gtcagaatgc   1380
aacctggctt tatgcaccta gatgtcccca gcaccagtt ctgagccagg cacatcaaat   1440
gtcaaggaat tgactgaacg aactaagagc tcctggatgg gtccgggaac tcgcctgggc   1500
acaaggtgcc aaaaggcagg cagcctgccc aggccctccc tcctgtccat cccccacatt   1560
cccctgtctg tccttgtgat ttggcataaa gagcttctgt tttctttggc aaaaaaaaaa   1620

```

<210> 5166

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(712)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (406)...(226)

<223> similar to gill109915 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters



```

<400> 5166
aatacattgg cgggcgtagt acttattgtg ctcgtaaacc ttgagttcct gaatgacatc 60
tgggtacttg agtagccgca gcaggatcct ctctgatata atggaggggc taaactgaga 120
gacctctgtg gctaggaagc gatgagcggc caggaggagc tgcggggaga ttttcacttt 180
gagctcattg tccgcatact tgaaggcaga gaagtcacgc ttgttcttct cagacacccg 240
cttcgggctt cggttgtcag tgtacatgtc ggactcgctc aggatctccg acttgatgat 300
ctctcgatc acgtectcca gggtgaccag gcccaggacc tcgtagaagg ggtcacccctc 360
accctcgttg tttaccttct gcacgatggc cagggtgggac ttcccagctc cagctgcttt 420
ttctcatggg gaaaagccag gggccccaga gcagaccagg gactcccacc acccaagaag 480
gagtcctctg catcttactc aatgagtctc ccaggaaggc ccagcctctg agatcccagg 540
ggcccaggat gttcccgcgc tctcaggccc tcccatggga gaggtgcggg caggactgac 600
tggaagccac aggcttgggc caaagtccac acaaacagat agctgagcac cctgatttct 660
tgcgnnccgg tggntcgncg cnannttngg ngnatgntnc aggaggtcct t 711

```

<210> 5167

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(395)

<223> similar to gi407139 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5167
cgcctttgta gaaatgagtt ccagcagctt tatgggaata tctaatatga cacaactgga 60
aagctcaact agtaaaatgc ttaaagcagg cataagagga attccgccta aaattgaagc 120
tcttccatct gatatcagca ttgatgaagg caaagttcta acagtagcct gtgctttcac 180
gggtgagcct accccagaag taacatgggtc ctgtgggtgga agaaaaatcc acagtcaaga 240
acaggggagg ttccacattg aaaacacaga tgacctgaca accctgatca tcatggacgt 300
acagaaacaa gatggtggac tttataccct gagtttaggg aatgaatttg gatctgactc 360
tgccactgtg aatatacata ttcgatccat ttaagagggc ctgtgccctt atactctaca 420
ctcattctta acttttcgca aacgtttcac acggactaat ctttctgaac tgtaaatatt 480
taaagaaaaa aaaagtagtt ttgtatcaac ctaaatgagt caaagttcaa aaatattcat 540
ttcaatctt 549

```

<210> 5168

<211> 1101

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (247)...(868)

<223> similar to gi5824602 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5168
gaccacgcca agcttggcac gaggccagaa cctgaaaagt gtcagagcgt atcttcagct      60
ggtgaacttg aaacagaaaa ctatgaaaga gacagcttgc tagcaactgt tccagatgag    120
caggattgtg ttactcaaga agtgccagac tcccgccagg cagaaactga agctgaagtg    180
aaaaagaaga agaacaagaa gaagaacaaa aagggtgaatg gtctgcctcc tgaaatagct    240
gctgttcctg agctggcaaa atactgggcc cagaggtaca ggctcttctc ccgttttgat    300
gatgggatta agttggacag agagggctgg ttttcagtta caccgcagaa gattgctgaa    360
cacattgctg gccgtgttag tcagtccttc aagtgtgacg ttgtagtaga cgcattctgt    420
ggagttggag gaaataccat tcagtttgcc ttaacaggaa tgagagtgat tgccattgat    480
atcgatcctg ttaagattgc ccttgctcgc aataatgcag aagtttatgg gatagcagat    540
aagatagagt tcactctgtg agatttcttg ctgctggctt cttttttaa ggctgatgtt    600
gtgttcctca gcccaccttg gggagggcca gactatgcca ctgcagagac ctttgacatt    660
agaacaatga tgtctcctga tggctttgaa attttcagac tttctaagaa gatcactaat    720
aatattgttt attttcttcc aagaaatgct gatattgacc aggtggcatc cttagctggg    780
cctggagggc aagtggaaat agaacagaa ttccttaaca acaaattgaa gacaatcact    840
gcatattttg gtgacctaat tcgaagacca gcctctgaaa cctaactatg cagcagtgcg    900
aggacaaaag atcatggagt ggtcaaaata ttcagatgag acatttgga tgtcttctt    960
tattcactga tattttctac ccattggtctt atatcacctg atgaaatgga aacttacagg   1020
acttaaatat cagtgaata ttttgagatc tttgaataat tccttttagag gaattataca   1080
aaattaatat atatgagtc t                                     1101

```

<210> 5169

<211> 2237

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (63)...(839)

<223> similar to gi3043598 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5169
cgacgcgcgc tgcggacccg gctcgaccca cgcgtacgcg gacgcgtggg cggacgcgtg      60
ggcgccagca ttcgctcaag aagtcgccga tggagaatga catggcccag tctctccaca    120
gtgacacggc tgatgacact gcccatcgcc ctggcaagag caacctcaag ctgccaaagg    180
gcattctcaa gaagaagggt tcagcctctg cagaaggggt acaggaggac cctccggagc    240
tcagcccaat ccctgcgagc ccagggcagg ctgccccctt gctccccaag aagggcattc    300
tcaagaagcc ccgacagcgc gagtctggct actactctc tcccgagccc agtgaatctg    360
gggagctctt ggacgcaggt gacgtgtttg tgagtgggga tcccaaggag cagaagcctc    420
cgcaagcttc agggctcctc ctccatcgca aaggcatcct caaactcaat ggcaagttct    480
cccagacagc cttggagctc gcggccccca ccaccttcgg ctccctggat gaactcgccc    540
cacctcgccc cctggccccg gccagccgac cctcaggggc tgtgagcgag gacagcatcc    600
tgtcctctga gtcctttgac cagctggact tgctgaacg gctcccagag cccccactgc    660
ggggctgtgt gtctgtggac aacctcacgg ggcttgagga gccccctca gagggccctg    720

```

gaagctgcct	gaggcgctgg	cggcaggatc	ctttggggga	cagctgcttt	tccctgacag	780
actgccagga	ggtgacagcg	acctaccgac	aggcactgag	ggtctgctca	aagctcacct	840
gagtgagta	ggcattgccc	cagcccggtc	aggctctcag	atgcagctgg	ttgcaccccg	900
aggggagatg	ccttctcccc	cacctcccag	gacctgcac	ccagctcaga	aggctgagag	960
ggtttgagct	ggagccctga	gcagggtctg	atatgggaag	taggcaaata	aaatgcgcca	1020
agggttcagt	gtctgtcttc	agccctgctg	aacgaagagg	atactaaaga	gaggggaacg	1080
ggaatgccc	cgacagagtc	cacattgcct	gtttcttgtg	tacatggggg	ggccacagag	1140
acctggaaag	agaactctcc	cagggcccat	ctcctgcac	ccatgaatac	tctgtacaca	1200
tggtgccttc	taaggacagc	tccttcctta	ctcattccct	gcccagtggt	ggccagacct	1260
ctttacacac	acattcccgt	tcctaccaac	caccagaact	ggatggtggc	acccctaata	1320
tgcatgaggc	atcctgggaa	tggtctggag	taacgcttcg	ttatttttat	ttttattttt	1380
atatttttat	ttattttttt	gagacggagt	ttcgtctctg	gtgcccaggc	tagagtgcaa	1440
tggcgcgac	tcagctcacc	tcaacctccg	cctcccgggt	tcaagcgatt	ctcctgcctc	1500
agcctcccta	gtagctggga	ttacaggcgc	ccgccaccat	gcccggctaa	ttttgtattt	1560
ttagtagaga	cagggtttct	ccatgttggt	caggctgggc	tcaaactccc	gacctcaggt	1620
gatccaccca	cctcggcctc	ccaaagtgtc	gggattacag	gcgtgagcca	ccgcgccccca	1680
cctaaccctt	ccttattttag	cctaggagta	agagaacaca	atctctgttt	cttcaatggt	1740
tctcttccct	tttccatcct	ccaaacctgg	cctgagcctc	ctgaagttgc	tgctgtgaat	1800
ctgaaagact	tgaaaagcct	ccgcctgctg	tgtggacttc	atctcaaggg	gcccagcctc	1860
ctctggactc	caccttggac	ctcagtgaat	cagaacttct	gcctctaagc	tgctctaaag	1920
tccagactat	ggatgtgttc	tctaggcctt	caggactcta	gaatgtccat	atattttttt	1980
atgttcttgg	ctttgtgttt	taggaaaagt	gaatcttgct	gttttcaata	atgtgaatgc	2040
tatgttctgg	gaaaaatccac	tatgacatct	aagttttgtg	tacagagaga	tattttttgca	2100
actatttcca	cctcctccca	caacccccca	cactccactc	cacactcttg	agtctcttta	2160
cctaattggtc	tctacctaat	ggacctccgt	ggccaaaaag	taccattaaa	accagaaagg	2220
tgattggaaa	aaaaaaa					2237

<210> 5170

<211> 1462

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (11)...(618)

<223> similar to gi736727 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5170

actagatcta	gatctcttta	atgccattct	gatcgaaacg	ccattagctc	cattcttcca	60
agactgcatg	tctgaaaatg	ctctagatga	actgaatatt	gaattgctac	gcaataaact	120
atacaagtct	taccttgagg	cattctataa	attctgtaag	aatcatgggtg	atgtcacagc	180
agaagttatg	tgtcccattc	ttgagtttga	ggccgacaga	cgtgctttta	tcatcactct	240
taactccttt	ggcactgaat	tgagcaaaga	agaccgagag	accctctatc	caaccttcgg	300
caaactctat	cctgaggggt	tgcggtgtgt	ggctcaagca	gaagactttg	accagatgaa	360
gaacgtagcg	gatcattacg	gagtatacaa	acctttat	gaagctgtag	gtggcagtggt	420
gggaaagaca	ttggaggacg	tgttttacga	gcgtgaggta	caaataaatg	tgctggcatt	480
caacagacag	ttccactacg	gtgtgtttta	tgcatatgta	aagctgaagg	aacaggaaat	540
tagaaatatt	gtgtggatag	cagaatgtat	ttcacagagg	catcgaaacta	aaatcaacag	600
ttacattcca	attttataac	ccaagtaagg	ttctcaaatg	taaaaaatta	taaatgttaa	660

aaggaagtta	ttgaagaaaa	taaaagaaat	tatgttatat	tatctagact	acacaaaagt	720
aagccacact	atatcttcat	gagttgcaaa	tccatggaaa	cacagtaaac	cagccctgaa	780
acaaagcatt	tccttgtttt	cagtggtatt	agatcttggt	tccacatgtc	tgtctcattc	840
ttcactgggc	cttacagggt	agttttaatt	aactctatgg	tatttttctt	attcttggtt	900
gatcatgtta	aaaattggac	ctaataaaaag	tattttattc	ttgcttttcc	atgcttctct	960
acagggtccaa	atactgaatg	tctcctttac	tttttctctt	ttaaattttt	ttctagacag	1020
ggtctcactc	tgtcacctag	gctacagtgc	agtgggtgtga	tcacagctca	ctgcagcctc	1080
gacttcccag	gctcaagtga	tcctcccagc	tctcagcctc	caaagtagct	ggcactacaa	1140
gtgtacaccc	ccacacaagg	ctaagttttg	tattttttgt	agagacaggg	tttcaacata	1200
ttatccaggc	tggtgtcgaa	ttcctgggct	ccagggatcc	acagtcccc	ttggcctccc	1260
aaagtgtctg	gattacatgc	atgagccact	gtgctgggct	tcattttacat	tttaactgtc	1320
tgttccttgc	ctagattcac	agaaatccaa	agctgtatgt	agtcaacatg	gttcacaagt	1380
ggtggaaaat	gtgctttttt	gctttgtttt	ggtttgtttc	ggtttgtttt	gagacagaga	1440
ttccctctgt	cgcccaagct	ag				1462

<210> 5171

<211> 2287

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (1727)

<223> similar to gi5868898 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5171

atgagcgccg	ccaccactc	gcccattgat	caggtggcgt	ccggcaacgg	tgaccgcgac	60
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gaccacaaca	gccgcaccac	tacgtggaac	gacccgcgcg	tgccctctga	gggccccaaag	180
gagactccat	cctctgccaa	tgcccttcc	cgggagggct	ctaggctgcc	gcctgctagg	240
gaaggccacc	ctgtgtaccc	ccagctccga	ccaggtaca	ttccattcc	tgtgtccat	300
gaaggcgctg	agaaccggca	ggtgcaccct	ttccatgtct	atccccagcc	tgggatgcag	360
cgattccgaa	ctgaggcggc	agcagcggct	cctcagaggt	cccagtcacc	tctgcggggc	420
atgccagaaa	ccactcagcc	agataaacag	cgtggacagg	tggcagcggc	ggcggcagcc	480
cagccccag	cctcccacgg	acctgagcgg	tcccagtctc	cagctgcctc	tgactgctca	540
tcctcatcct	cctcggccag	cctgccttcc	tccggcagga	gcagcctggg	cagtcaccag	600
ctcccgcggg	ggtacatctc	cattccgggtg	atacacgagc	agaacgttac	ccggccagca	660
gcccagccct	ccttccacca	agcccagaag	acgcactacc	cagcgcagca	gggggagtag	720
cagaccacc	agcctgtgta	ccacaagatc	cagggggatg	actgggagcc	ccggccccctg	780
cgggcggcat	ccccgttcag	gtcatctgtc	caggggtgat	cgagccggga	gggctcacca	840
gccaggagca	gcacgccact	ccactcccc	tcgccatcc	gtgtgcacac	cgtggctcgac	900
aggcctcagc	agcccatgac	ccatcgagaa	actgcacctg	tttcccagcc	tgaaaacaaa	960
ccagaaagta	agccaggccc	agttggacca	aaactccctc	cgggacacat	cccaattcaa	1020
gtgatccgca	aagaggtgga	ttctaaacct	gtttcccaga	agccccacc	tccctctgag	1080
aaggtagagg	tgaagttcc	ccctgctcca	gttccttgct	ctcctcccag	ccctggccct	1140
tctgctgtcc	cctcttcccc	caagagtgtg	gctacagaag	agagggcagc	ccccagcact	1200
gcccctgcag	aagctacacc	tccaaaacca	ggagaagccg	aggctcccc	aaaacatcca	1260
ggagtgtgta	aagtgggaagc	catcctggag	aaggtgcagg	ggctggagca	ggctgtagac	1320
aactttgaag	gcaagaagac	tgacaaaaag	tacctgatga	tcgaagagta	tttgacaaa	1380

gagctgctgg	ccctggattc	agtggacccc	gagggacgag	ccgatgtgcg	tcaggccagg	1440
agagacgggtg	tcaggaaggt	tcagaccatc	ttggaaaaac	ttgaacagaa	agccattgat	1500
gtcccagggtc	aagtccaggt	ctatgaactc	cagcccagca	accttgaagc	agatcagcca	1560
ctgcaggcaa	tcattggagat	gggtgccgtg	gcagcagaca	agggcaagaa	aaatgctgga	1620
aatgcagaag	atccccacac	agaaacccag	cagccagaag	ccacagcagc	agcgacttca	1680
aaccccagca	gcatgacaga	caccocctggt	aacccagcag	caccgtagcc	tctgccctgt	1740
aaaaatcaga	ctcggaaccg	atgtgtgctt	tagggaatth	taagttgcat	gcatttcaga	1800
gactttaagt	cagttggttt	ttattagctg	cttggtatgc	agtaacttgg	gtggaggcaa	1860
aacactaata	aaagggctaa	aaaggaaaat	gatgcttttc	ttctatatth	ttactctgta	1920
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cctgtctact	tgggcacccc	caccacctgt	tagctgtggt	tgtgcactgt	cttttgtagc	2040
tctggactgg	aggggtagat	ggggagtcaa	ttacccatca	cataaatatg	aaacatttat	2100
cagaaatgtt	gccattttta	tgagatgatt	ttcttcatct	cataattaaa	atacctgact	2160
ttagagagag	taaaatgtgc	caggagccat	aggaatatct	gtatgttgga	tgactttaat	2220
gctacatttt	aaaaaaagaa	aataaagtaa	taatataact	caaaaaaaa	aaaagtcgac	2280
gcggccg						2287

<210> 5172

<211> 2243

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(750)

<223> similar to gil256378 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5172

tcctcccggc	cagccacca	gaccatgaac	tttttttggc	agagagctga	gatcttggga	60
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gagcggctga	tctctgggga	ctatgaaatt	gacgggggga	ccatgctgat	cacgtcgggc	180
tgcgctgtgg	ctgtgaacat	cataatgggg	ttgaccttc	accagtctgg	ccatgggcac	240
agccacggga	ccaccaacca	gcaggaggag	aaccccagcg	tccgagctgc	cttcatccat	300
gtgatcggcg	actttatgca	gagcatgggt	gtcctagtgg	cagcctatat	tttatacttc	360
aagccagaat	acaagtatgt	agaccccatc	tgcaccttcg	tcttctccat	cctggtcctg	420
gggacaacct	tgaccatcct	gagagatgtg	atcctgggtg	tgatggaagg	gacccccaa	480
ggcgttgact	tcacagctgt	tcgtgatctg	ctgctgtcgg	tggagggggg	agaagccctg	540
cacagcctgc	atatctgggc	actgacgggt	gcccagcctg	ttctgtctgt	ccacatcgcc	600
attgctcaga	atacagacgc	ccaggctgtg	ctgaagacag	ccagcagccg	cctccaaggg	660
aagttccact	tccacaccgt	gaccatccag	atcgaggact	actcgaggga	catgaaggac	720
tgtcaggcat	gccagggcc	ctcagactga	ctgctcagcc	aggcaccaac	tggggcatga	780
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ccagctgtgt	tgtaaacag	gtccccctcc	tgacctctgc	cccactccag	gaatggagct	900
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tgaccctgct	cttccagctc	ctgggcccagc	tctggaaggg	ctgtatttgg	gcctaactct	1020
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cctcacactc	tcatttgagc	ctccctgagg	cagggagcca	ggaggcacct	gaggcctatc	1260

tgtgccttag	tcacttcagc	tatgagccaa	atgttccctt	tcctggaggg	gagaggcttc	1320
ttactaggta	agagacaggt	ttcctctttc	cttatttcct	cagctgtgcc	aacacaaaaa	1380
acaacttttg	cacaggtggt	gggcaggggg	tagagagatt	tcagcttggg	ttctgcacta	1440
acagcctcca	agccccctgg	cacttctgtt	gccctgagag	tgtcccaggg	gattcagagt	1500
ctccagaaag	atatggctgg	gccaaactctg	ttgcctacct	ggcctgacct	agtcggagcc	1560
tgacatggtg	gagggaaaagg	gagacaagtg	gggctgcact	cggctccagag	gccagctagg	1620
agggaaaccg	cagcttcctg	gggcttgtgt	gtgaagattc	ctgacttagg	gggtggctttt	1680
gtttacaaga	tgcaagaggg	gaaacctgtc	cccgactcat	cgagacaaca	tgcccagtta	1740
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ctggcctctg	ccccacagtc	tcctctgtac	accgacaggg	ttgatgcctc	cctcacaggg	1860
ttgagaacaa	gagccagttg	gccaaagtacc	tgtgggtgtt	gaagattggt	tacttttacc	1920
atcctgggga	cagggaaactc	tgtggcccgga	ggctgcctca	ctgaggagtc	aggtgggctt	1980
cccagcctcc	ccaggggcag	tgctgagttt	gtcttgactg	ttctggccca	aggtgggagg	2040
aggtgggttt	ggtcacttgc	ctcccacttt	aaatctctgt	ctttccatct	gtgaaatgac	2100
ctctttgtgc	cttcccagca	ctgtcatcct	gatcgccctgt	gttctaggta	gatgggtcct	2160
tcagccccctc	caggtctgtg	aaaagtctgt	ggaaagcact	ggcctggaga	ggggtggggg	2220
gttgctggtg	ggtgctccat	tcc				2243

<210> 5173

<211> 1381

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1382)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1202)...(862)

<223> similar to gi2984584 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5173

tttttttttt	ttagtttttt	ttgaatatat	ttacaatata	aatactaatt	tgtttccaaa	60
gtacatattc	ttttaacaat	ttgagaaaat	tatctagcat	acgacgagta	atttaaatgta	120
aagactctat	agtagtgatt	aaggaaaaat	agaactgttt	tggggataag	gaatcctggg	180
ctatgaatgg	gcatgatgat	ctgaacttgc	aaagggaaaag	tgaagcagct	tcagtccacc	240
attggcactg	ctaatacaca	tatgttaaag	gactactatg	tgagatagca	acctggatat	300
gggtgtaata	aaaactaaac	atgagaggat	ataaaaagta	cacatgcttg	gcataggtgt	360
gttactttta	aagaagctca	acatttttatt	ctcatttttca	ataacttaaa	tgaacagcac	420
ttaacacatt	acacaaaatt	aaagacttgt	gcatatatatt	gatttcaaca	ttaatgtcaa	480
aaatacatag	tatgatttta	cataggattt	gtgctacatt	agaacactag	agacaaacat	540
cacttgagta	ttaaggaaaa	cattaaatat	taaataactg	agaaaatgtg	taaacactaa	600
tctaactggg	ggtttttgcta	ttgcaacatg	tccaatgaag	tggtttcaac	agtacaaaaa	660
ggattaggac	atgagttttt	ccagtctaca	tggaatatat	ggatttcatt	tcaggaatcc	720
tttcataaaa	actggtccag	gataacagga	gagaatccac	tctcctgatt	gttaatttgg	780
tacactccat	tctatgctaa	tttttacttg	caaacttggt	tactgagtaa	atactttaaa	840
tcatcactcc	ttatcaacat	cttggtgaaa	actgaggggt	tggttggtgat	tcagtgtaaag	900

at ttgagttc	atatgcagca	ccgctatcaa	cctccattga	ctttctagag	aacaggagcc	960
gtacgtctct	atggaggtag	atctttccag	at tttagaact	ctggaacctc	agatgtatga	1020
ggtagcgtaa	taaccgttct	tctgtgtgtc	ggatgttctc	tttattaaca	cttctcttca	1080
cttcttgttt	aacaggtaca	gaaaaagttc	tttgtcgtag	gaatgtctga	tgattggctg	1140
gcatatctcg	taaatacatat	atcacaacaa	acatcttcac	cacagtctta	ttaggattaa	1200
ataaggtcac	ttgtattgtt	cctgaaggag	gtactcgata	acccctttta	ccaagggact	1260
ctaaagtaat	nacacccata	taaggagagg	gagnattgtc	atntgaaaca	ctgtagaatg	1320
acacttcaac	tgg nagagtc	aaatgtgtgg	ggcagaaagc	accacttgcc	cctacctcgg	1380
c						1381

<210> 5174

<211> 1586

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1222)...(950)

<223> similar to gi5809683 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5174						
aaatgcacat	ctcatggcag	ctaagccaca	tggctgggat	ttaaagcctt	tagagccagc	60
ccatggcttt	agctacctca	ctatgtctgt	tcacaaacct	tgctcctgtg	taaaactata	120
ttctcagtg	agggcagaga	ggtctaacac	caacataagg	tactagcagt	gtttcccgta	180
ttgacaggaa	tacttaactc	aataattctt	ttcttttcca	tttagtaaca	gttgtgatga	240
ctatgtttct	attctaagta	attcctgtat	tctacagcag	atactttgtc	agcaatacta	300
agggaaagaaa	caaagttgaa	ccgtttcttt	aataatgctg	atctactttt	tgttgaattt	360
gtatttttatt	tcaagtgtca	aagaaatcat	ctttgtttat	ttagatgaaa	ccaaacacta	420
cacatttaca	ctcacactgc	ttccaggacc	caagggtttc	acagaccatt	tgccctacctg	480
gttctttcct	ctcctctttc	cagtgttttc	tagaataccc	tttcaaagga	ccacatgaat	540
atacgaactg	taaaattcaa	ctttgatctt	ttgcgaaatg	ttttatttac	tgcttaaaat	600
ctaggtgggt	ggatatattc	atgtatgcat	atattgatag	attaatacaa	acataagtat	660
gtattttaa	tgaaggataa	gtaaagttag	agtacaacag	ccccattctt	agttaaaaag	720
aaaagaaaaa	gacaagagca	agccactgcc	accacaggta	ccagcactta	aatttgtcag	780
caggctgacc	aaagagtggc	ctgtctgttg	gcattcatcg	gacatggcag	ctcccttcag	840
ctctccagtg	agtttcaagt	tcagagcact	ttcagtcctt	gtcttgttta	tctattactg	900
aagggtttct	aggaagggtt	agcagtgcct	caattttctt	agcatcattc	tcaggttcat	960
cttctgttaa	actactttca	at tttctcag	ggaggtgctc	agtaacttgt	agtctgcctt	1020
tccactcttc	cagtttttag	tc atggagtg	cctttcgatc	cttctgtttt	ctttcctgaa	1080
cagtctcacc	agagtacttc	tgaaatgcc	tcagcaggcc	tcctacagga	gtgccagca	1140
aggctccaat	tatgccacca	gccaccaggc	cacgcaggcc	tacgtttatc	ctaaaaagac	1200
ttcccgtag	agtctttgcc	aaacagctcc	cggaggcggt	cccatccaga	ttccgggtaa	1260
tagggctctg	ggacgtaggg	aagccgcttc	tgacgtcctc	caaggacttc	cgaatcgga	1320
gtcacagctt	cggcagcaaa	gactcgggga	aataggcaca	atgctctaca	gagaaagctc	1380
cgcgggtgcc	gtggcggcac	ctccatggcc	ttctctcgac	ctacggacaa	acttgagcgc	1440
tcaggacttc	aagtcctcgc	ggacgtgccg	cgggagagcg	taactgtacg	aggtgagaat	1500
ccgtgcattt	gacccaggtt	aaccctctgc	cagagggtc	gacaccaca	ccttcagtcc	1560
cgggcctcgc	tttgcggacg	cgtggg				1586

<210> 5175  
 <211> 1139  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1113)...(547)  
 <223> similar to gi3876299 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5175

tttttttttt	taaaaatggt	agaaaaaaac	atattattgac	atgaaaagggt	gtttcaaata	60
tactgatttg	tcaaacaaat	agtaaaacaa	catagagtaa	tgattcattt	tggtaaaaaa	120
tatatatgta	tatatagaaa	aaaaaattct	gcaaggacat	atgctaaatt	ggtaacagtg	180
cttacccttg	ggaaggggggt	atacagatgt	tgattttactc	tttgggtacc	tgtatttccc	240
agttttttcta	taaatcacat	catttgcttc	tgtcataaga	aaaaataata	tctattatca	300
tcctttatatt	tgatcaaaac	aaatcaattt	tttaaaaaat	cttaggtttt	tttaagaagc	360
agaaataatt	tccaaattgc	ctccagagac	aatgatttta	tcctctgcag	aagctgggtca	420
gaaccttctt	gatcacagcc	ccagttagat	acagggaaga	atggcgcttc	ctacagcttc	480
agcggcctca	gctcagctct	gtgccccaaag	gccaaaccag	ctcatctcca	gccccatcca	540
tcctattctt	gctgagtcac	cagtctcatc	atcttcagag	ccatgtcccc	ttggtcagaa	600
ggaaccatat	gaccagcttt	cagaatccag	tagaaagcaa	ggttcttgta	ggacttgaca	660
aaagcagatg	tttccaaaga	tttaggggtca	ctgtacaggg	ccttccactt	cagctgactg	720
aatttaggca	gttctggcca	cttcagtttc	cgcacccagg	cctcctgacc	catgggtatct	780
acgatgagat	ccagctgtcc	attatacacc	gtcacgttga	tcctctgctc	cagcaactcg	840
tccacaatgc	taatgactgg	cttcatgaag	tcctcctcca	tgttcacaaa	gacgttggtta	900
gcctggcctc	cccaggattg	atcctcagga	ataattttga	gcttctttct	gatggggcca	960
ttcatgagct	ggcttaaggc	atctcgttgt	aggtgtctca	cgtggcgctg	acaaagacaa	1020
actaggtggc	tctgtgtgaa	ttctagactc	gactccattg	tagacgtggg	agtgctttta	1080
gttaagatgt	tatagaagtt	caccccatct	gtcccttctg	tcgtcttctc	gcagccgta	1139

<210> 5176  
 <211> 1397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (298)...(1011)  
 <223> similar to gi264 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



```

<400> 5176
ctcagagcgg tggaattcga acgcttttga aagcgaatca ggaaattact tatcaatctg      60
aagccccata taattatgaa taatcctcgc tgccaaaggg aaggggattt tgagcaaaag      120
ctccacatct gcgcacacta gagttcaaag actccagctg ttggaaggtc ttgtgagcaa      180
gagccaaaga tgtttgtctt gctctatggt acaagttttg ccatttgtgc cagtggacaa      240
ccccggggta atcagttgaa aggagagaac tactccccca ggtatatctg cagcattcct      300
ggcttgccctg gacctccagg gccccctgga gcaaattggt cccctggggc ccattggtcgc      360
atcggccttc caggaagaga tggtagagac ggagagaaag gagagaaagg tgaaaaggga      420
actgcagggt tgagaggtaa gactggaccg ctagggtctg ccggtgagaa aggggaccaa      480
ggagagactg ggaagaaagg acccatagga ccagagggag agaaaggaga agtaggtcca      540
attggtcctc ctggaccaa gggagacaga ggagaacaag gggacccggg gctgcctgga      600
gtttgcagat gtggaagcat cgtgctcaaa tccgcctttt ctgttgcat cacaaccagc      660
taccagaag aaagactacc tattatattt aacaagggtc tcttcaacga gggagagcac      720
tacaacctg ccacagggaa gttcatctgt gctttcccag ggatctatta cttttcttat      780
gatatacat tggctaataa gcctctggca atcggactgg tacacaatgg gcaataccgg      840
ataaagacct tcgacgcaa cacaggaaac catgatgtgg cttcggggtc cacagtcac      900
tatctgcagc cagaagatga agtctggctg gagattttct tcacagacca gaatggcctc      960
ttctcagacc caggttgggc agacagctta ttctccgggt ttctcttata cgttgacaca      1020
gattacctag attccatctc agaagatgat gaattgtgat caggaccaag atccctgtgg      1080
taaactactc gattgaatct ggggttccag aaggtggaac aagcaggaat gggatccaaa      1140
gagactccca ctcagattct aaagcattta aagacaattc tagcagaatt tatcaaaaca      1200
agatgaaaaca cagaaaagt gaaaccacaa caaatgaat tctattaaag aatagcccca      1260
gatataaatt ctcttgaaa caatgttcat aaatatttaa gcaaattaaa gacaatgtta      1320
acaaattttt tattaaatgc cctgagtgat aaaaccagtt ggcaataata ttgccttatt      1380
aaatcttcaa aaaataa

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<210> 5177

<211> 1096

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (19)...(650)

<223> similar to gi3882225 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5177
gtcagtgtgg tggaattcgg ctctgtgaag aaaagggtat gctttccatc agaagatcat      60
ctagaggagt ttatagcaga acatctccct gaagcatcca atcagagtct cctcactgtt      120
gcccatgcag acacaggcat ccaaaccaac ggtgacctgg aagacctgga ggagcatggg      180
ccagggcaga cagtctctga ggaagccaca gaagttcaca tgatggaggg ggaccagac      240
aacttgcccg aacttctgat cagggatgta cttcaggagc tgtccagtta caacggcgag      300
gaggaggacc cagaggagggt gaagacatcc ttgggagttc cacaacgtgg tgacctggaa      360
gacctggagg agcatctgcc agggcagaca gtctctgagg aagccacagg ggttcacatg      420
atgcagggtg acccagccac accggcaaag aaattggaag actccaccat tacaggcagc      480
caccagcaga tgtcagcaag tccttctctc gcacctgcag aagaagcaac agaaaagacc      540
aaagtggaa aggaagtga aaccagaaag cccaagaaga aaaccaggaa gccagcaag      600
aaaagccggg ggaatgtcct gaaatgttgg gacattttta atatatttta gagacctctg      660
aagattcctc gaccaccagg aagggcccg acgtggggat gtcaacatgg ctcagacttg      720

```

atgtggatcg	tgatcatttc	gggaaatgtg	ttactccaaa	aactttttata	atcttttgctt	780
aatttggttt	taaatacttt	cctggctggg	cgtgggtggct	tatgcctgta	atcccagcac	840
tttgggaggc	cgaggcgggt	ggatcacctg	aggtcaggag	ttcaagacca	gcctggccaa	900
caagggtgaaa	ccccgtctct	actaaaaata	caaaaattag	ctaggcgtgg	tggcgctctc	960
ttgtagtccc	agctattttg	gaggctgagg	caggagaatc	acttgacctc	aggaggcgga	1020
ggttgcagtg	agccgagatc	atgccactgc	accccagcac	ctggctacag	agtgagactt	1080
tgtctcaaaa	aaaaaa					1096

<210> 5178  
 <211> 1108  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1108)...(381)  
 <223> similar to gi2650265 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5178						
tttttttggg	agggtacaatt	ttaaaaaataa	tactactagat	acgtttttcc	taaagcagta	60
gatgacattc	aataagccat	ggtatagata	actaataaca	atgctaacag	ggtcaaacca	120
aaaaaaaaggc	acagggtcttt	cacatgtttt	cattagattt	gtttaggcca	agttttacaa	180
ttcacatctc	catttttgga	agtaatttcc	tactgcaa	atattttct	gagaaacaac	240
tcaaataatt	taatttcaat	taagaaatta	aatcaactca	aaataggaat	aagacaaact	300
cattatgctt	gcttcagcat	ttccttctac	cgtgcccaaa	aatgctgggg	tcttcaattg	360
gtaaaagtta	tcttgtagtg	cttgccattg	acaatggcag	ataaagctga	tggggggatc	420
ttgccagatc	tggttttggg	tagctgtttg	acaaacactg	catttcgaaa	agcagccaca	480
gggccaatgt	tctgtctaac	gtgtttcaca	atttcttcca	aaacttgctc	ctctgttgca	540
tttatatctt	ttctcaatac	acagagtgtc	aaggggacat	gaccttttaa	gggatcttcc	600
ttgccaacaa	cagcacagtc	tgccacggta	ccatgggaaa	ggattgactc	ttcaatggcg	660
cctgcagaaa	ttctgtgacc	tgcaacattt	attacatcat	ccactcgaga	cataacatac	720
aaatagcctt	cttcatccat	gtaaccagca	tccatgggtat	cataatatcc	aggaaatttt	780
tcaaagtata	aatgcttgaa	tgcttccctga	ttcttccaga	gtcctgaaaa	agccccaggt	840
ggcaatggta	actttaccac	aatatttctc	aaacaccgag	ccttcagttt	ttgcatgttg	900
tcatccaaaa	tcataacatt	gtatcctggg	acgctttttc	ctgcttgccc	tggtggaggt	960
gttttagaat	tgccaatcc	aacacatgac	gcagtaattg	gagatccagt	ctcagtttgc	1020
caccaatggg	ctaagacagg	tactctgaag	acatttttgg	accattccag	ggtctctaca	1080
tcacatcggt	ctccagccga	attccacc				1108

<210> 5179  
 <211> 1025  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (14)...(244)  
 <223> similar to gi3777621 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5179

tctctagtc	gtgcggtgga	attcggagct	gggcctccgg	gactccgaca	tggactacat	60
ccaagacgat	gccatcatca	actacgggaa	ctccggggga	ccactggtga	acctggatgg	120
cgaggtcatt	ggcatcaaca	cgctcaaggt	cacggctggc	atctcctttg	ccatcccctc	180
agaccgcac	acacggttcc	tcacagagtt	ccaagacaag	cagatcaaag	ccccctcact	240
ggcagttcat	tgagagcagg	gggcttcctc	acgtttcccc	ctcctccatg	accccgctcag	300
ccaagcacat	ggaccccagt	gcagccaagg	ctggtgccat	gagggctggg	cacatgaaga	360
gctgctggtg	aggatgccgc	cattgttctt	ctgtgtccat	tatgggaaga	caatctggag	420
ccaggcagag	cctgtctttc	ccaaagaagc	tgaagtcttc	ttctcttgaa	cagtggggac	480
catctaatt	cttgagccct	tttctgtttg	gcttctagga	agctcagagc	tagattcagg	540
gggtgaccca	gacctgtcct	agcatgctcc	tttccctaag	gaccgagtct	ttcctgttga	600
attatcccat	tctccatggg	tgcccttgac	tttggcctcc	ttactggaaa	ttagcggagc	660
tgctgtttgc	acacactgag	ctgtgaggtg	gctttccttg	gaagtggatg	atagtgtcct	720
cttcccttct	tgccctctct	tttctcttga	gacaggatcc	ccctggggcc	taggtttgct	780
cctttgttgt	acaggggctg	tcccagttag	tgctgacctt	catcccagaa	ccccctggga	840
aaatatcccc	tgctctcaga	gctgtgttcc	cctccccaag	gacagtgcag	acttaactga	900
gggagcctga	taaaccttag	ctgcatggca	caattgcaat	tttaaaatcc	tttcttgaag	960
ttgattggtg	tttgtaattt	gcttctcttt	tttatttaat	aaaatccaat	gatccaaaaa	1020
aaaaa						1025

<210> 5180  
 <211> 1401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (31)...(697)  
 <223> similar to gi454325 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5180

cgagaccact	agtccagagc	ggtggaattc	gagagacagt	atgaatgcc	cgaatgtggg	60
aaagccttca	accagaaatc	aatactcatt	gttcatcaga	aaattcatac	aggagagaaa	120
ccctatgtat	gactgagtg	tggaagagct	ttcatccgca	agtcaaactt	tattactcat	180
caaagaattc	atactggaga	gaagccttat	gaatgcagtg	actgtgggaa	gtcctttacc	240
tccaagtctc	agctcctggg	gcatcagcca	gttcacacag	gagagaaacc	ctatgtgtgt	300
gccgagtgtg	ggaaaagcctt	tagtggcagg	tcaaattctca	gtaagcacca	gaaaactcat	360
accggagaaa	agccctacat	ttgttctgaa	tgtgggaaga	cctttcgaca	gaagtgcagag	420
ttgattacac	atcacagaat	tcatactgga	gagaaacctt	atgagtgcag	tgactgtggg	480
aagtctttca	ctaaaaaatc	acagctccaa	gtgcatcagc	gaattcacac	tggagagaag	540
ccttacgtgt	gtgctgagtg	tggaaggcc	tttagcaaca	ggtccaattt	gaataaacat	600

cagacaacac	acactggaga	caaaccctac	aagtgtggca	tctgtgggaa	aggcttcggt	660
cagaaatcag	tgttcagcgt	ccatcagagc	agccacgctt	gagagaaaca	gtgtgagaaa	720
acccccctga	gggttggtgc	tgattgtaca	ctgttgacag	catgcagcag	aaaaatatgt	780
atattattgt	aaatagaaat	gaccacatca	gaatgtcaca	catggctggt	ctggagaggg	840
cctctgagaa	ggcactgaat	gaggcgaggg	acccttccta	cattgtcacc	atccccagta	900
aaccttgggt	cattattcat	actgacaagg	aaccgagtca	atttggtgaa	taggaaaagc	960
cttctcatga	aaactacaat	agaatactgt	taccaaattc	ttcctaagaa	agatcggtatt	1020
aagttaacga	taatcctggt	tactgtggat	taggtatagt	gccaacaaat	tgaatgataa	1080
aacaacataa	tacgtagtta	ttttgatagt	gatgaatcct	aagttatgtg	agttgttcgt	1140
tgtggaacac	attgtgtaac	agactcctgg	gtgtttttct	ttctcattcg	aatctaccac	1200
agttggtcat	atccaaccct	cattcagtat	ttctatcaag	aaagagatgc	tacaaaaaaa	1260
aaaaagaaaa	aacctttttt	gtttccaaac	ttaaccctca	aatgggttgg	tgggccccct	1320
ttggttttaa	caaaaattgg	ccccccccta	ttaatctaca	aggagtgggt	ttaaccctaa	1380
gggcccttaa	cctttttggg	g				1401

<210> 5181

<211> 1650

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature.

<222> (1652)...(1538)

<223> similar to gi180249 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5181

cccacgcgtc	cgtctacatg	gttgtcaaat	ctgttgaatt	gatgtcagtc	taccagtatc	60
ctgaaaagtc	tcagcaggca	gtactcacgc	cacaattttt	gcacgctcatt	acaagtaaca	120
acctgcagtg	tttactgtg	cggtgcagtg	cgggcgagc	tcgtgaggag	gacccgtaca	180
tggacaccac	cctgaaggct	tgcccacctg	tcagtatgga	tgtctgtgct	ttaagaatac	240
agcttttcat	aggcttgaaa	gccatctgtc	actttaaaaa	ccacatcata	cttttgacta	300
aagcagaacc	tgaagccatt	ccagagagaa	gacagtcacc	caagaggctt	ctttcgagaa	360
aagataccag	tgtaaaatc	aaaatacctc	ctgtagctga	ggctgggtgg	aatttgtata	420
ttgtgaatac	gatctcacca	gagcaactgt	aacaaagaga	tggtagacta	tagcaatacc	480
tataagactg	tcaaaaccca	gagctgcatt	caccttctca	gtgaggctca	tctgttagtg	540
cgagctggcc	tgatggatgc	cagtcagctg	gaacctggag	agaaggcaga	gcttttggaa	600
gcattttaagg	aaagctgtgg	gcaccttggg	gactgtttaca	gcaggcttga	ctcccagcat	660
tctcatctca	ccttgccata	ctataagatg	tctggtttgt	ctatggctga	agttctggcc	720
cgcacggact	ggacagtaga	ggatggatta	cagaaatacg	agagaggatt	aatcttttac	780
attaatcatt	cactttatga	aaacctggat	gaagaattaa	atgaagaatt	agcagcaaaa	840
gtggttcaga	tgttttatgt	ggctgagcca	aagcaagtgc	cccatattct	ctgtagtcct	900
tctatgaaga	atattaatcc	tttaactgcc	atgagctatc	taaggaaagt	ggatacttct	960
gggttttcat	cgatcttagt	gacattgacc	aaggcagcag	tggctctgaa	aatgggagat	1020
cttgacatgc	acagaaatga	aatgaaaagc	cattcagaga	tgaagtgggt	atgtggcttc	1080
attctggaac	ctcggctgtt	gattcaacag	agaaagggac	agattgttcc	aaccgagctt	1140
gcacttcact	tgaaggaaac	tcagcctgga	ttgcttgtgg	cttcagttct	gggcttgcag	1200
aagaacaaca	aaattggaat	tgaagaagca	gattcctttt	ttaagggtgct	ttgtgctaag	1260
gatgaagata	caattcctca	gctcttggtg	gacttttggg	aagctcagct	agtggcatgt	1320
ctcccagatg	tggtacttca	ggaactcttt	ttcaaaactca	catcacagta	catctggaga	1380

ttgtctaagg	aggcagcctc	ctgacaccac	accattgcca	acatcggagg	atctttattct	1440
cctgggcatt	ccttggtaga	tatttggaat	aaaataatca	cactgactgt	gattgggtag	1500
atcacattcc	atattctcct	gtgagtctca	gaagatgctt	cattttgtag	aacgggtgtaa	1560
gtggtttcca	ttccagcatg	aatgtggctg	gtcacatggc	agtggagtaa	ccaaattcca	1620
ggtgttcttg	gaaacatttc	tagggtttgg				1650

<210> 5182  
 <211> 1069  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (24)...(718)  
 <223> similar to gi535185 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5182						
ctgatcttaa	ggataccatt	ggctctgtca	ccaaaacacc	gagtggttta	tacataattc	60
accagaagg	atctagctac	ccatttgagg	taatgtgtga	catggattac	agaggagggtg	120
gatggactgt	gatacagaaa	agaattgatg	ggataattga	ttccagagg	ttgtgggtgtg	180
attatctgga	tggatttggg	gatcttctag	gagaattttg	gctaggactg	aaaaagatttt	240
tttatatagt	aatcagaaa	aataccagtt	ttatgctgta	tgtggctttg	gaatctgaag	300
atgacactct	tgcttatgca	tcatatgata	atTTTTggct	agaggatgaa	acgagatttt	360
ttaaaatgca	cttaggacgg	tattcaggaa	atgctgggtga	tgcattccgg	ggctcAAAA	420
aagaagataa	tcaaaatgca	atgcctttta	gcacatcaga	tgttgataat	gatgggtgtc	480
gccctgcatg	cctgggtcaat	ggtcagtctg	tgaagagctg	cagtcacctc	cataacaaga	540
ccggctgggtg	gtttaacgag	tgtgggtctag	caaactctaa	tggcattcat	cacttctctg	600
gaaaattgct	tgcaactgga	attcaatggg	gcacgtggac	caaaaacaac	tcacctgtca	660
agattaaatc	tgtttcaatg	aaaattagaa	gaatgtacaa	tccatatttt	aaataatctc	720
atttaacatt	gtaatgcaag	ttctacaatg	ataatatatt	aaagattttt	aaaagtttat	780
cttttcactt	agtgtttcaa	acatattagg	caaaatttaa	ctgtagatgg	catttagatg	840
ttatgagttt	aattagaaaa	cttcaatttt	gtagtattct	ataaaagaaa	acatggctta	900
ttgtatgttt	ttacttctga	ctatattaac	aatatacaat	gaaatttggt	tcaagtgaac	960
tacaacttgt	cttcctaaaa	tttatagtga	ttttaaagga	ttttgccttt	tctttgaagc	1020
atTTTTaaac	cataatatgt	tgtaaaggaa	attgaaggga	atattttac		1069

<210> 5183  
 <211> 1805  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1806)...(778)  
 <223> similar to gi32391 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 5183
ttttagggcc agcgtctggg ctccatttga tcaggtcagc atttattagt aggaagcagt    60
aacattttaca actgggtctc gggcaggaac cgggagggcc accacccgcg gccgcccacg    120
cgagcccagc cttcaggagg agagagcagc gcgtccaatg cactgaggac aatacccca    180
ccgcctcgga ggctcctgcg gctcctctaa gcctcactgg atgatctcca ccagagggtcc    240
tcgcgtgcct ccctgaggaa agggggcttt cgcaactggg gggcaacccc gccgggcttc    300
accgtgggct agcagccggg gtgtccgcac tgttgctcgt ctgccttcat tcttggaatt    360
ggggcgcact tggacccctg tttgggcagt gctggggggg gagggggact aaactaacag    420
cacttttcaa aaacatgggg gacattttaca caagagaggg ctccccaagc cagcttgac    480
tcacaaaata tagcatttct taaggaacca atggagcagg aaaaagaggg agtgggatag    540
ggcgaaaccc caaagccact tggtttttcc aacacgtaaa cgagcaaata cagagtcccc    600
caaatacctc agagaccaac cccccagtc cttttattta aaaagaaaaa aaaaagaag    660
aagaagtcca agtcgtgga gagtttctgg aaatcaagca ccaaacaccc acaaaggaaa    720
acagcaacaa caacaaatcc gctgcccttg agcgtctccg ccagcaccgc gccgggtcag    780
tctccttttg ggcattttct cttgctcctc tttttcattt tcatcctacg gttctgaaac    840
cagattttga cctgtctctc tggtaggttg agaatcctgg ccacctcgta gcgccgggtcc    900
cgggtgaggt acatgttgaa gaggaattct ttctccagct caagcgtctg gtatttggtg    960
tagggacagc gcttttttcc ggtggagcga gcgtggatcc agttcgcggc ggggttggtt   1020
gggtcaagtt gctgctgctg cggctgcgaa tgctgcttct cctcctcctt cagcgaacag   1080
cctgggatcg ggtggtcgtg gcaagctgag ggctccgacg agccgcccgt cccagtccgc   1140
gccccgatcc ctgccccagg cccggttccc cccgtccgag ctgcccctt ctctgcagg   1200
aacgagttgc acgagaactc ggggcccgtg ctcccctggg actcccgggc cacggagcac   1260
tcagtccgtt tggaggagga ggataaggaa gtggaggagg aggaggtggg ggaggcgcc   1320
gtggcggggg cggggcgccg tcgggtttca ggcttaatcc cgtagtgggc cccgttggtc   1380
gggcccgtgg ggccagggtt gggaccgcgg cccggaccgc cgctccacc accaccgcca   1440
ccgcccgcac cgcccgga gcccggcagc ggctccatcc aggagcgac gtagcgccg   1500
ggctcggagg cagaggcgcc caggggcggc gggggaacgt acgggtggta gaggccgctc   1560
atcgccgccc ctgcccgggg ctgggagggc accgcggacc acgaggcaga gaacacggcc   1620
gatctggggg caaaactaca cgaggcgaac tcggcgggcg tggcgggcgg gccatcagcc   1680
acacctgcag gccggccctg cgcgcctggc cccggcgggc cgaagcgcg cgcgacacc   1740
tcgtcgccct catggcctat aagcgagtc acgtagtagt tgctgagggt gccactggaa   1800
gacat                                     1805
```

<210> 5184

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4)...(379)

<223> similar to gi3387798 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5184

gcggaggact	ttgcggctgt	gcggggccgat	gactcagagg	tggatgggga	ctgcagcctg	60
actggacctt	ctgctttggg	gggctcctat	ggcacctccc	cagagggggg	cggaggatac	120
atccattccc	atcggccctt	gggcccaga	gagtttgagt	ccttcattga	tgtctatgcc	180
atccggagtg	ctgaaggagc	cccccagaag	gaggtctact	tcatgggcct	cattgatata	240
cttacacagt	atgatgccaa	gaagaaagca	gctcatgcag	ccaaaactgt	caagcatggg	300
gctggggcag	agatctctac	tgtccatccg	gagcagtatg	ctaagcgatt	cctggatttt	360
attaccaaca	tctttgccta	agagactgcc	tggttctctc	tgatgttcaa	ggtgggtggg	420
ttctgagaca	cttgggggaa	ttgtggggat	attctagcca	ccagttctct	tcttcctttg	480
ctaaattcag	gctgcaggct	ccttccatcc	agataactcc	atcctgtcga	gtaggctcct	540
tctgaccctc	agaaatacat	tgtccttttt	cctctttgcc	catttttctt	ccctctcttc	600
ctcccatga	gaagtctgct	tgtagtatta	gaatgttatt	gttgactctc	tcccaagtgc	660
cttgatcttt	gtaatatctc	ctgttgtttc	tatgatatag	gagctagggg	aaggggggtg	720
cttgccttct	tcaggacctg	actggacaga	tggacctggc	tcaagcaact	actc	774

<210> 5185

<211> 1582

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(742)

<223> similar to gi498015 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5185

gtgggtgctg	acatgacaca	atgacgtggt	tggggccata	tcctattgga	actggacttc	60
aggggaataac	cttgtgttat	agttgttttc	cctccttctg	caagatgaaa	agcaggatgt	120
gcatggctat	cagcatttgt	cagacgcttt	ccatggttag	ttttgtggtc	tgtgctttca	180
ggtacaggca	tatgttcaaa	aggggttgge	caatgggtac	atgttgtttg	tttctgccc	240
cagctgcccc	agtgtctcag	tgtgaagctg	caacacagac	tgaaaggaga	ctggatctgg	300
ctgcagtgac	tctgaggaga	ggcttgagat	ctagagcttc	gcgatgcaga	ccgcggtctt	360
tgatagatta	caaatcctac	atggacacca	agctgctggt	ggcgagggtc	ctggagcagt	420
cctcttgtag	catgacccca	gacatccatg	aacttgtaga	aaacattaaa	tctgttttga	480
aatctgatga	ggagcacatg	gaggaagcca	tcacaagtgc	cagttttcta	gaacagataa	540
tggccccatt	gcagcccagc	acatccaggg	cccacaagct	gccctcgcg	agacagcctg	600
gcctgctgca	cctccagagc	tgcggcgacc	ttcacacctt	cacaccagcg	gggaggcccc	660
gagccgagag	gaggccccgg	cgagtggagg	ctgagcgggc	acacagcctc	attgggggtca	720
tccgagagac	tgtcctgtga	accctggaag	acagaaggcc	actccaaggg	gaaggatccc	780
tctcctctct	gccattttct	ggctgggagc	tgtggtccac	ctcaaaaaaa	aggagcactc	840
tggaggacac	gttttcccac	ctgttggtct	ccgtgtctgc	tgactgaggg	cattcaggag	900
taaatgcaca	ggtcgggtcca	ggcccgtctg	ggtttggtat	gcactgagtt	ggagggttat	960
aaagctttga	tcctcttctt	cctctgctgg	gcctcgcagc	attcccaagg	gtcacatgcc	1020
ctggcatggg	cagaaactgg	gctaattgatt	ctttgcccac	ttcaccctct	gtgtctctct	1080
ttgttgctaa	gttctttccc	tcttggaagg	acagatctgc	cgggctgcta	tttatagttg	1140
cctttggcct	ttcactgctc	tgcgatttgg	caggaaataa	ggcgattaac	cctatgtgtc	1200
cacaagcctc	aagccttggt	tcaggtcacc	ctcaaatac	actctcttta	ggcaaaacag	1260
gaaacttctt	aagtgacaaa	ttttaatgcc	agacatttaa	ggagaggatt	attgttgatt	1320
ccatttactc	atgcttgcaa	aactagagac	ccctaaggca	gaactgagaa	taaacatggt	1380
tactttgggc	cactgggctt	gatgtgtaat	atttgttatt	acatgtatcc	ttcgggctgt	1440

atcgttcatt	cagcaagcac	ttggctggat	ggcttcatgg	agctgccttc	tcatgggatc	1500
gcggaacaata	aatcaataaa	gtaattacag	attggggatt	attgctaaaa	agagcaatag	1560
gtgggttagag	ggaattccac	ca				1582

<210> 5186

<211> 1949

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1940)...(348)

<223> similar to gi4314433 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5186		
tttttttttt	cggtgaaaac caataattta tcaaaacgct gcgtgtgtat ggggggggga 60	
ggggtgtccc	aacaaacagg gcagcggggg gcggaccac aggcaggaaa cggtgcccgg 120	
aaaggggggg	cggcagcctt gccactggct aggccatcgc gggcgggcag gctagacatt 180	
cttgccgcgc	aggcgcagtt cgtggcgtcg caggtggttg tagagcgact gcacataggt 240	
gaagacacac	ttggggtcag gcttcttgcc catgatcatc atgtcgtcca cctccaccag 300	
gggcacacag	tccaccagca tccgtggggc cccgagcagg ggttaggact ttttggtttt 360	
taccagcccc	ttctggacca gacagcggta gaattcctgg atgtacgtgt acacgcactt 420	
ccagtcaggc	tctcgaagcc gcaccatgtc ctctgtatcc aggagctgcg ggcagtcgcg 480	
atgggtctcc	gcagatgaga aggccacctc gaagtcttg cgtcggttct gagggctaag 540	
ctgcccatag	tcgaaggcct cagggaagaa gttgtgcacc agggcacaga aggccatccc 600	
atcactccag	ctggaggaga agttctggat gtcgacgtgc tcgtagccgc gagtcttgge 660	
tcgacaccag	tccagcagca tctgcttgat gctgttggcg ttggggaccc cgaagctggg 720	
ggatcgctgc	acggctgcgc ggggtccgcc agggctgcgc gccgcgccct ccttctccag 780	
cttctcaate	atggccttgc gcgcctggga ggctgaggtc ttgggcagac tctgcgcctt 840	
catcagctct	ttcttcttct cggcctgcgc tttctcagc gccgccaggc tgccggccccg 900	
tgggctggcc	tggtcctcgc ggtcgaagat gctgcccac ttcttggttg aggaggaaga 960	
ggagaaggtc	ttggtttgca tcatggtgct gccactgcca ttctccgagc gcctcacgaa 1020	
actcgactcc	actgtggtgg tgcgggccgt ccgtgtgcca tcattggagt ggacgagccg 1080	
ctcagtcctg	gtaacagtgc tgacagcaga gccatcagct gcccgctggc tgtgcctcgt 1140	
ggtggtctca	gtggctgtgt tgccgcgccc ctccccctggc cgccccctg cctcctgcag 1200	
ccgcggttcc	cgctccttgt cccgctgggc tctcttctt tgctcgagct cacgaagtgc 1260	
agcccggtatg	agcttccgct cttcaaagtc cgtgctctga tccagcatct tgtccaagac 1320	
tccttcatcc	tcaatagtca tcagctcctc agcgctcaga gggctccgcc cttctggtgc 1380	
tttggtcact	cgggtctgct cagccccatt ggccacttcc actgctgcag cgagaggctc 1440	
tgctggctct	gcttccatct tgatgctgca gcctcctcgc ctactggggg gggcatggct 1500	
gaagctggtg	acatgagtga cactgcccag ccgagccagg gtcccagggc tgttgacacg 1560	
ggtgatggtg	ctcttgcccc cactactggt gctgagtagg gtccggggcg cccgcagccc 1620	
cagtgtcagt	tctgccctct ggttgccctgt gggcagcagc acccggcctg tggaggcctg 1680	
gccacggccg	tccttgatct cgatggtgaa tgtggtcttc atactgcccc ctggctcggc 1740	
agtgccgacg	gccacgggca gcggggcacc aggtcctct gaacgtgcca caggcccccc 1800	
tgctctgttt	tcaaggggcc tagcagccaa gcccccccc ctggggccct cctcctgggg 1860	
gcagcttcca	agctggggca ggggctgggc tactcctcgt tgctccttgc tgaaccggga 1920	
ggaggtatca	ctgggcgaat tccaccacc	1949



```

<210> 5187
<211> 1091
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1080)...(844)
<223> similar to gi3342738 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5187
atccgtccgc tgaatttttt ggaaaaacgg aaaaaaccaa gtgccttttag gaaaaaaaaa 60
ggctggggcg ggtggctccc ccctgtgatt cccgcccttt gggaggccca ggaaggagga 120
tccctggagg ccgggagttc aaccagaccc cegtitttag tatggcccaa aaaaaaaaaa 180
tctgtagaaa aatggaagag attggggagg gaggaaagag gctgcctggg tccaggttgt 240
gcctctgtgt gaagagacac cagcggctgc cagtggggag tgcggagtaa aggcctgcgg 300
gaggagatgt ccgctctcag gggctcggaa gccctcagc ctcttgctc cccaacggga 360
gacatgtagg aggccgagca agctgggtgc ccttgagaga caggcccagg cagggtgtg 420
gccacagcag ccctgggggc tccccagcga ggtggaggca gaagtccag gagcctggga 480
gccacccagg gcaaggagtg accctggaag ccatccagcc tctggaaaag tggaagtgg 540
ttaaaaacac agtgggcttt tccggttgct agtaacacat agaattacag agttcacgtt 600
ttagtccag acgggagact gaggctcgag actgaggaag gcatctgccg tccggggttg 660
gagctcctga ggaccaacac ctgctcagcg gctcgccccc tggctcctt gagatgctca 720
ggccggagag aagcgggatg atggttccag agcgtcctcc tccaagtctc cgaggcccca 780
gcggcggttc gggcaccggg agaccgcggg ggctctcagt ggcacatccg ggcggtcatt 840
tctttcagtg gctccagctc cttggtgtcg atgaggccga actccttgac gaaatagtag 900
aagtgcttgt agcaggtgtt cacgtgggcc tcggagccca tctgcccgat gcggtcaaag 960
tggtggatgt agacgtgcac gaacacgcgg aacagccgca acaggatctt ccgcaccgtc 1020
tgcaggaagt tcttgggaaa cggagtgcc aacgttggtg ggaagaggtc ctcgttgttg 1080
aagtcgccgc a 1091

```

```

<210> 5188
<211> 2014
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(1417)
<223> similar to gi56494 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5188

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tcgacccacg cgtccggatt tatgaagctg atttgcagta ccgtgtcacc ctagattcac 60
taagacaaat atcacgaagt tttttctctg gaactcaaga gagaaagggt caaaggaaca 120
tcacagttcg aaaatcagaa tgcactaagc actccttcta catgttggac aagcatgact 180
ttcaggactc tgtgagaata acgttggact ttaatcttac cgatccagaa aatgggcctg 240
ttcttgatga ttctctacca aactcagtac atgaatata tccctttgcc aaagattgtg 300
gaaataagga aaaatgtatc tcagacctca gctgcattgt cgcaccact gaaaaggacc 360
tgctgattgt ccgatcccag aatgataagt tcaacgttag cctcacagtc aaaaatacaa 420
aggacagtgc ctataacacc aggacaatag tgcattatc tccaaatcta gttttttcag 480
gaattgagge tatccaaaaa gacagttgtg aatctaata taatatcaca tgtaaagttg 540
gatatccctt cctgagaaga ggagagatgg taactttcaa aatattgttt cagtttaaca 600
cactctatct catggaaaat gtgaccattt atttaagtgc aacaagtgc agcgaagaac 660
ctcctgaaac cctttctgat aatgtagtaa acatttctat cccggtaaaa tatgaagttg 720
gactacagtt ttacagctct gcaagtgaat accacatttc aattgctgcc aatgagacag 780
tccctgaagt tattaattct actgaggaca ttggaaatga aattaatata ttctacttga 840
ttagaaaaag tggatctttt ccaatgccag agcttaagct gtcaatttca tcccccaata 900
tgacatcaaa tggttaccct gtgctgtacc caactggatt gtcattctct gagaatgcaa 960
actgcagacc ccatatcttt gaggatcctt tcagtatcaa ctctggaaag aaaatgacta 1020
catcaactga ccatctcaaa cgaggcacia ttctggactg caatacatgt aaatttgcta 1080
ccatcacatg taatctcact tcttctgaca tcagccaagt caatgtttcg cttatcttgt 1140
ggaaaccaac ttttataaaa tcatattttt ccagcttaaa tcttactata aggggaggac 1200
ttcggagtga aaatgcatct ctggttttaa gtagcagcaa tcaaaaaaga gagcttgcta 1260
ttcaaatac caaagatggg ctaccgggca gagtgcatt atgggtcatc ctgctgagtg 1320
cttttgccgg attgttgctg ttaatgctgc tcatttttagc actgtggaag attggattct 1380
tcaaaagacc actgaaaaag aaaatggaga aatgaaatat ttacgaaag aaaataataa 1440
caattattca ataatctatc ctgagtttg cctcaaatat gtgacaagaa atgtataatt 1500
catgacatag tcatgtaact atgtaatcca tcagggattc attacttga aaatgacagg 1560
gcatgcatta tccaaaaaca ataccaaaaa gacatatttt ataaaatgac aaaaaatatt 1620
ttacataatt actcattttt gttgagtaag caaaattaca aagtgttttt aaaaaaacct 1680
gtacaaatat gtttatgtat taaatcacca tccaaaatat ttaaggaata tataaaaaga 1740
tttttatgat catagaaaca tctattttca aaacaatata aattaagctt tcccccttga 1800
ttcctgttgg atatccatgt tcagcatgac agtcagcact cgtaaagtc aagaaaagaa 1860
ttacctgaaa aagatcattt ctccctattc aaatgagaat attttccctc ggtagaatcc 1920
atatacaata tggattgaaa attaatgcac gaagaatata tttagcatct ttgtgttggg 1980
ttctatacct aaaaattttc cctcccggcc caag 2014
```

<210> 5189

<211> 1291

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (947)...(502)

<223> similar to gi5020266 in the genepept database release 114;

Run with FASTXY 3.3t00, default parameters

<400> 5189

```
tttttttttt ttcccagttt caggtatgtc ttattagca gtgtgaaaat gaactaatac 60
agactggaag ccttgtgaca ggaaaactga acatctgaga catctatagg aaaaaaagat 120
```

ctgcttacat	ccagtccttg	gagttccagt	agactgattt	attcaccaac	agcattgctc	180
ctccagctcc	attccaggag	acaggcaccc	cagaagtagc	aggactggta	gacatcacta	240
gtattgtata	tgtgttgggc	catgtttgtg	tgttgaggaa	gaggatgggg	aaaacaatga	300
tggtgggtcac	caggttaagat	ggggacccag	gaagggattg	caagtcagg	cccatgaac	360
acccccaaag	aatgcccctc	ctcttgga	taaaagtggg	tcttgatcc	agggagatca	420
acagttgcaa	ggctgatatt	aagagttgtc	tattggatct	gttctaaggg	atatgttatg	480
tgaagccaaa	ttaatgaagt	taggaagtca	cattacaagt	tgatgggtac	tttgtttcat	540
caactttag	aatttcttcc	ttttgaacct	ctttactggg	tgtagctgg	tgacttaggg	600
gtagggatgt	ggaggctgtc	ataggcccgt	ctccgtctt	gggcctgaag	ggaatcctat	660
gtatgcggca	gtatacaaag	tatgcaggga	tggggaggat	gacaatggca	aaaagggtga	720
tcatcaagag	cagtgtccac	ggtgggtatg	gtcgaagcac	ctcttttgag	gtgcttgagt	780
cccaggacat	gtaggtgatc	ggcttcatac	aaagatgaac	catcatggtc	acaaagatga	840
ttagcagcac	aactggacac	agatggggcc	acagccaacc	aaagatggga	gagatggggt	900
ggcccaacag	gatcgtcagg	tctgcaagga	acctggagaa	gggccaccag	agtgtgggat	960
gccagttag	gcctcaccac	cttgagggca	gggccagccc	aaccttggca	tctttcaaac	1020
attctattgt	atctctaate	tctgtttca	tctcaagtct	tgctctctct	catcttcccc	1080
ctagtcagtc	tgtcttctat	cctaacccaa	gaaacttttc	caaacacccc	tctcctgctc	1140
aagaactttc	catgggtatc	caatggcctc	aggagaaagg	ccaagtctct	ttcattcatc	1200
ccataaatat	gagaatgtct	atgatgtgcc	aggaactctt	ttaagtgtct	gatatccagc	1260
agtgaacaac	acagataaaa	taaagtggca	t			1291

<210> 5190

<211> 1736

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (11)...(1009)

<223> similar to gi5834569 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5190

gtgcgaggaa	ttcggcgatc	aaggtatttg	tggaatcgat	gaatttgata	agatggggaa	60
tcaacatcaa	gccttgttgg	aagccatgga	gcagcaaatg	attagtcttg	ctaaggctgg	120
tgtggtttgt	agccttcctg	caagaacttc	cattattgct	gctgcaaate	cagttggagg	180
acattacaat	aaagccaaaa	cagtttctga	gaatttaaaa	atggggagtg	cactactatc	240
cagatttgat	ttggtcttta	tctgttaga	tactccaaat	gagcatcatg	atcacttact	300
ctctgaacat	gtgattgcaa	taagagctgg	aaagcagaga	accattagca	gtgccacagt	360
agctcgtatg	aatagtcaag	attcaaatac	ttcgtactt	gaagtagttt	ctgagaagcc	420
attatcagaa	agactaaagg	tggttcctgg	agaaacaata	gatcccatc	cccaccagct	480
attgagaaag	tacattggct	atgctcggca	gtatgtgtac	ccaaggctat	ccacagaagc	540
tgctcgagtt	cttcaagatt	tttaccttga	gctccggaaa	cagagccaga	ggttaaatag	600
ctcaccaatc	actaccaggc	agctggaatc	tttgattcgt	ctgacagagg	cacgagcaag	660
gttggaattg	agagaggaag	caaccaaaaga	agacgtgag	gatatagtgg	aaattatgaa	720
atatagcatg	ctaggaactt	actctgatga	atttgggaac	ctagattttg	agcgatccca	780
gcatggttct	ggaatgagca	acaggtcaac	agcgaataga	tttatttctg	ctctcaacaa	840
cgttgctgaa	agaacttata	ataatatatt	tcaatttcat	caacttcggc	agattgccaa	900
agaactaaac	attcaggttg	ctgattttga	aaattttatt	ggatcactaa	atgaccaggg	960
ttacctcttg	aaaaaaggcc	caaaagttta	ccagcttcaa	actatgtaaa	aggacttcac	1020

caagttaggg	cctcctgggt	ttattgcaga	ttaaagccat	ctcagtgaag	atatgcgtgc	1080
acgcacagac	agacagacac	acacacacac	acacacacac	acacacacac	acacacacac	1140
acacagtcaa	atactgttct	ctgaaaaatg	atgtcccaaa	agtattataa	taggaaaaaa	1200
gcattatata	taatacacta	atttaagaag	tgataaagtc	tccagatgca	gtagctcaca	1260
ctgtaatcac	agtgactcag	gaggctgagg	tgagaggatt	ccttgaggcc	agggttcgag	1320
accaaccttg	ggcaacatgg	caagacccca	tttcttaaat	tagtttatta	tatttaatgc	1380
ttttttccta	ttataatact	tttgggacat	catttttcag	agaacagtat	ttgactgtgt	1440
gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	ctgtctgtct	gtgcgtgcac	gcataatctt	1500
cactgagatg	gctttaatct	gcaataaacc	caggaggccc	taacttggtg	aagtcctttt	1560
acatagtttg	aagctggtaa	acttttgggc	cttttttcaa	cgaggtaacc	ctggtcattt	1620
agtgatccaa	taaaattttc	aaaatcagca	acctgaatgt	ttagttcttt	ggcaatctgc	1680
cgaagttgat	gaaattgaaa	tatattatta	taagttcttt	cagcaacgtt	ggtcga	1736

<210> 5191

<211> 2291

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(1985)

<223> similar to gi3329465 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5191

gagatacccg	tgtaggcctt	tttgcactaa	gtgacattaa	agtaggcact	gaacttacct	60
tcaactacaa	cctagaatgt	cttgggaatg	gaaagactgt	ttgcaaagt	ggagccccga	120
actgcagtgg	cttcttgggt	gtaaggccaa	agaatcaacc	cattgccacg	gaagaaaagt	180
caaagaaatt	caagaagaag	caacagggaa	agcgaggac	ccagggtgaa	atcacaaagg	240
agcgagaaga	tgagtgtttt	agttgtgggg	atgctggcca	gctcgtctcc	tgcaagaaac	300
caggctgccc	aaaagtttac	cacgcagact	gtctcaatct	gaccaagcga	ccagcatgga	360
aatgggaatg	tccgtggcat	cagtgtgaca	tctgcgggaa	ggaagcagcc	tccttctgtg	420
agatgtgccc	cagctccttt	tgtaagcagc	atcgagaagg	gatgcttttc	atttccaaac	480
tggatgggcg	tctgtcttgt	actgagcatg	acccctgtgg	gcccatacct	ctggaacctg	540
gggagatccg	tgagtatgtg	cctccccagc	taccgtgccc	tccagggcca	agcactcacc	600
tggcagagca	atcaacagga	atggctgctc	aggcacccaa	aatgtcagat	aaacctcctg	660
ctgacaccaa	ccagatgctg	tcgctctcca	aaaaagctct	ggcagggact	tgtcagaggc	720
cactgctacc	tgaaagacct	cttgagagaa	ctgactccag	gccccagcct	ttagataagg	780
tcagagacct	cgctgggtca	gggaccaa	cccaatcctt	ggtttccagc	cagaggccac	840
tggacaggcc	accagcagtg	gcaggaccaa	gaccccagct	aagcgacaaa	ccctctccag	900
tgaccagccc	aagctcctca	ccctcagtca	ggtcccaacc	actggaaaga	cctctgggga	960
cggctgaccc	aaggctggat	aaatccatag	gtgctgccag	cccaaggccc	cagtcaactg	1020
agaaaacctc	agttccact	ggcctgagac	ttccgcgcgc	agacagactg	ctcattacta	1080
gcagtcccaa	accccagact	tcagacaggc	ctactgacaa	accccatgcc	tctttgtccc	1140
agagactccc	acctcctgag	aaagtactat	cagctgtggt	ccagaccctt	gtagctaaag	1200
aaaaagcact	gaggcctgtg	gaccagaata	ctcagtcaaa	aaatagagct	gctttggtga	1260
tggatctcat	agacctaa	cctcgccaga	aggagcgggc	agcttcacct	catcagggtca	1320
caccacaggc	tgatgagaag	atgccagtgt	tggagtcaag	ttcatggcct	gccagcaaag	1380
gtctggggca	tatgccgaga	gctgttgaga	aaggctgtgt	gtcagatcct	cttcagacat	1440
ctgggaaagc	agcagccctt	tcagaggacc	cctggcaagc	tgttaaatca	ctcaccacag	1500

ccagacttct	ttctcagcct	cctgccaagg	cctttttata	tgagccaaca	actcatgcct	1560
caggaagagc	ttctgcaggg	gctgagcaga	ccccagggcc	tcttagccaa	tccccggggc	1620
tggatgaagc	ggcgaagcag	atggtcggag	gccagcaact	acctgcactt	gccgccaaga	1680
gtgggcaatc	ttttagggtc	ctcgggaagg	ccccagcctc	cctccccact	gaagaaaaga	1740
agttggtaac	cacagagcaa	agtcctctgg	ccctgggaaa	agcctcatca	cgggcagggc	1800
tctggcccat	agtggctgga	cagacactgg	cacagtcttg	ctgggtctgt	gggagcacac	1860
agacattggc	acagacttgc	tggtctcttg	gaagagggca	agaccccaaa	ccagagcaaa	1920
atacacttcc	agctcttaac	caggctcctt	ccagtcacaa	gtgtgcagaa	tcagaacaga	1980
agtagtacca	atcaatgtca	catgaacaaa	caagctgccc	ccagggtagc	atttggggag	2040
gggaaatctt	ttctttcttt	cccccttaaa	aaaaaacaca	tctgccccga	acactttccc	2100
actgttatcc	tttctctata	tcccaacact	cagaactctt	gtgacattag	ccagtggggg	2160
cttatgggtg	tgtgaaccat	gtatgaaaat	ccagtggggc	ccaaccaagg	agacagacag	2220
acttgggtct	ctttcccca	acttttccac	atgggtcatg	tgaataaaaa	agtcctctct	2280
ggaaaaaaaa	a					2291

<210> 5192

<211> 857

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (860)...(219)

<223> similar to gi455834 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5192

tttttttttt	ttctggacat	cttccatttt	atagaaaggg	aaattgaggg	caggggttgg	60
ggaggcctgg	caaggaacat	ggtgcatggt	aggtggcaga	agggacctct	gtgctcagag	120
ctgtgcctca	ggacccatcg	ttcagatggg	aagactgagg	ttggggaggt	gtgtcttggg	180
ttaggaagct	gggctcgggg	caggggtcag	cgcgggcatg	gcaggcacgg	tgaatgtgaa	240
cttctcagtc	tggacaaagg	caacgccctt	ctcatagtag	gcagcctcgt	taatgaacac	300
ggggtacacc	gtggactctc	cctcatagag	caggtcctcc	ccactgaaca	tctggaagat	360
gggagcacca	ggctgcagtg	gctggaagtc	tcggctctgc	agctgaggat	gcacagtggc	420
tgccaggtgc	ccggcctcgg	tgcgggggaa	gtccacgacg	cccacgggtc	tataggcttc	480
catctcaaag	gcaggaaagg	ccgtaccctg	gttgaagagt	tcgatgaagt	ccagaactgt	540
ggccaccagg	gtcctcatcc	ttgagaaaat	gtcagcccgc	agcacaccct	gtggctgggg	600
gcccagctcc	agaccagtc	cattttttgg	cacagagtcc	aggttgtagc	tctcctcccc	660
agaccgctgg	tacaggaaga	cctggcagga	cagctcgggg	tactgcagct	gcagatggcg	720
gcacaggtgc	atggcaaaga	cttcgtggga	ggacttcgcg	attaagcagg	tgcccatgtt	780
ggccgtgggt	ttgtgcaggt	caaggacaaa	gtcaaaggcc	tggcccgagg	ccttggggcc	840
cagcagctgg	ttcagct					857

<210> 5193

<211> 1598

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1079)...(831)

<223> similar to gi2276319 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5193

tcgacccacg	cgtccgcccc	cgcgtccgaa	aaaaaaaaat	gttgatcctg	tcttggtccc	60
cctgggatcc	gtcttttctg	acgtttgceg	ctgtctcccc	tcacccccca	ggttgctagt	120
taattctctc	ccctcgtgcc	tgcacccctgc	tgccctagct	agcctggcca	cctcactgcc	180
gtgtcctgca	tcaggccagc	cacagagtcc	tacaggctcg	ggccttgctt	gtgggaacgg	240
cttgttcttc	tagactctgg	gggcgggggc	ttgggtgtgt	ttccttactt	gtaaaaggtc	300
ctgttgtttt	tgggagcagg	gagtaatggc	ggatgagacg	ctgtgtggag	gcggcagctc	360
ctggatggg	gtaacgccct	gtccctctac	tggcagggtg	tttgcatgaa	gcatcaggcc	420
agagggtgtg	agtgccaaag	cctcacccca	catgctgctc	ctgttaaaaag	caaactccac	480
tgaccccccc	gggaagtcag	gatttgggat	ttacttcctg	gaatgcttgc	ctctggctgc	540
tgggaatttg	ggcctttccc	caaagcctga	accaggcctc	acagtggcca	tcaggcacag	600
aatggatggg	cacagctgag	tggctccact	ggctttaatc	tgccccacct	cttcacacc	660
aacctccacc	ctctggttcc	gatgtgcttg	gttacaaagc	acctgattat	ttaagagaac	720
gaaaaaccac	caccagttcc	tgtaaagaat	aagtcacagg	tgacacaggt	aagggtgag	780
ttgtggtcca	gccccaggga	gtgtgggctg	tgaggcagga	gcgagctaaa	cctgtaggag	840
cagcgccacg	gctgccagga	tccacttcgc	tgccttctct	ttggtcttca	agttaaaggt	900
ccagacatag	gtggggccgc	ggatgcgtgt	ttgtacacg	ggacactcat	agatgttctt	960
ggtctccatg	cggctccacag	gaatggcctt	gatgaagatg	acaggcatgg	ccgggggtcag	1020
ctctttcagc	cgcgcttcag	cgatgactcc	agtctgggtg	tcccagcgag	cccctgcagg	1080
gacagtatgg	ctgaggggtca	ggtgtgctgc	cagtaagtga	gggaggggct	ggcaggaagg	1140
gtggggctct	cacactcccc	gccctctgca	gagctgggct	ctaccccaaa	aggcttcagg	1200
ccagctgccca	cagctggaag	cagaggcctt	cgtaggtgat	ggcctgcatg	ttgtaactac	1260
cccgtcccgc	tgggctcaag	gaacagctca	gctaaagccc	tcgggttcca	tccgtttaaa	1320
tctgtggcat	tttcagagcc	tcactctgtca	gccttaatgt	cagtggcagg	aagtcataac	1380
tccagctaaa	aattacagag	ttaaagttccc	tgattcttaa	tgtgtaatgt	ctgccctatg	1440
tgtacataca	caatataatt	atacatctgt	gcatataaat	attgccttta	accagactgc	1500
tattatttct	actcgcctta	tttaatgggt	tttttatttc	ctgtctgaaa	tctcaaaata	1560
aacaaacatg	gagagcttaa	aaaaagtcga	cgcgggccg			1598

<210> 5194

<211> 990

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (990)...(861)

<223> similar to gi1872200 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5194
tcagatgaca gtaaacctca gagttgttat aaattaaatg gatataatgt gtgtaaagca      60
cttagcataa tgctttatac atcgtagaac tttcaaaaat aggagtagta attattacaa      120
agaaatgtga agaagagtc tagtgggctg catgttaaaa atagttttta gttaatgaaa      180
attaaatcac atcttagatg tttatcatct gcatggtagt tttctgggtg ctgctttaac      240
ctttgtatag ttgaaaggct gtaaaccttc tagtattctt tgatttctgg cccatttccc      300
tcctaccatt cacgcttata ttttttggtt caagtcacca ttccttgcaa aactaattaa      360
atacattcct aaatacataa tattgccaat attcattcac atccaccacg tctagatcca      420
agtccttcac ttctttatgc tgggtctaatt tttgctgagc cttagaagca aagacagact      480
ccggggggtg atatgggacc tccagaatgg ggattgcaca gaataatctt atttttcctc      540
tattcttcta ggctgttatg ttctgaacct acacatgttt tcggaaggac cagatggctg      600
acactggcta atgggaacca aaagacgagt gaaagtaacc tgggttgtca cataccccca      660
gcttagaggt gcttcaccct gccccaaggt caatttcttt tttctctaga gactttaccc      720
cattatatca aaaaccttta ctacagcctg actttatctg atgttagagt atcattaagt      780
caagcagcag catttattga gtgaaaaaag attgtacaca ggactggaag agaagcatct      840
gcctttaaaa tacagtagaa ggccgggcat ggtggctcat gcctgtaatt ctagcacttt      900
gggaggccaa ggcaggtgga ttgcctgagc tcaggagttc gagaccaccc tgggcaacat      960
ggtgaaacct tgtctctcct aaaaaaaaaa

```

<210> 5195

<211> 916

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (600)...(398)

<223> similar to gi4468339 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5195
ctgtggcgga attcgaacgc gggagaagga cgttgtagtg agccgagaac gcaccactgc      60
actccagcct gggcgacaaa tgacactcca tctcaaaaaca taaaaatata aaaaatgttt      120
ggctttggaa accatgcctt gctgcttaac ctactgcgtc ctggggcagg ttccttgtca      180
tctctaagct gcagttttct catcttcgaa atagtcttaa gccccctat ggctcttttg      240
ggtttcagag tttgtaatat agcgctttta ttctccacac agagcaggca ctcacaactc      300
tccttttcca ctgtcctctc ttccctggtc tctgatctct cgagccatcc taattcctgg      360
acccttgca gtgtcttgcc cagcttgggt tccccagcac tgtcctccac ctctggcca      420
cagccctatg cacctgcagc ggggccact gggcaggtgc tggcactggc ctccatggtc      480
acagtagccc ctactgcagc gggacacgca ggtgaagccg ctctgggggc tgtagaccag      540
gtcgtagccc ttgtagccat cgcactgaa gtaagccttc agcgtgctca cgttactgt      600
cggaaggac acagattaac acagaaagca accgatgaac actaaatcag taccttttca      660
gccacgaatt ccttttcggg tgtttatcct gagaaataat tggagaagtg cacagatata      720
tatgcccctg gacgttcaga tcagcgtggt ggataatagt aacgtttcag aagtagggtc      780
tggttaaata aactactgca catccttacc aagggatggt gcttcctagg gaaaaagttt      840
cctagggaaa aaggttcttg tggaaaaagg ttcctatgga aaatgctttc ctgaagagca      900
catgctttga aggtgg

```

<210> 5196  
 <211> 1404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (18)...(438)  
 <223> similar to gi5777952 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5196

cggttccat	gatggctgag	gaaacgcgca	atcccctgag	gaacaaagac	ttccaggagg	60
tgacactgga	gaaggagggc	caggtgctgc	tgcatttcgc	aatggcgtag	ggcttccgca	120
acatccagaa	cctgggtgcag	aggctcaaac	gagggcgctg	cccctaccac	tacgtggagg	180
tcatggcctg	cccctcaggc	tgctgaacg	gcgggggcca	gtccaggcc	ccagacaggc	240
ccagcagaga	gctcctccag	cacgtggaga	gactgtacgg	catggtcggg	gctgaggcgc	300
ccgaggacgc	gcctgggggt	caggagctgt	acacacactg	gctgcagggc	acggactcgg	360
agtgtgcagg	tcgcttgctg	catacgagc	accacgccgt	ggagaaggcc	agcactggcc	420
tgggcatccg	gtggtagggg	ctgcaggacc	aggactccca	ggaggccgtg	tccatgtgtg	480
acagcagaac	cacatgcccc	aagaccccag	ggctcccccc	aaaattctga	gtgagctgca	540
gggtgtgctg	ggacccgagt	aggagctagg	actagccagg	acccgcagcc	gcctcgtcac	600
ctccagttgg	gtgcctctgg	gttcccactg	gctctgccc	gggtgggtgg	gggtggcccag	660
gcagcagaag	gttccctgag	gtcccagagc	ctgttcctgt	ggccctgggc	cgaggcccac	720
aggtgctgcc	cttgctgctg	ctggtcgggc	acccaagtgc	gtgaggggct	tcagcctgtc	780
ccgggggttg	ctgaggcaga	gcaagacggg	ttctcacc	tgacttctgg	aggcttcct	840
tgaagctctg	tgcaaaaggt	gggagacaga	gctggacctg	caggggtggt	cccgccacaa	900
ccctgcgtgt	ggaccctggc	aggggggggt	gccaggcccc	tggaaagcag	gggttaccgt	960
tacgaggctg	tggtcggggg	caagccaagt	acgaagcagc	agccatcgcg	ggctgcatca	1020
tccccagcc	aggtccccac	caggcctgtc	tcccagcggt	tgtctaataa	acgcaccct	1080
cctaaaacac	gcaaaaaaaa	aaaaaagggg	gggccgtttt	aaagaaccct	tggggggccc	1140
aaattttacc	cgggcttgca	aggtaaaatt	tttttcctta	tggggggcct	ttttaaaacc	1200
tacttgggaa	ttttgggaaa	gaaccttttt	tttggggggg	ggacatattg	ggccaacctc	1260
cctacaaaaa	ttaaaggctt	tagggaaaat	aaaaattttt	aaagggtaaa	gggggtaaaa	1320
caacctgcat	ttccttgctg	ttgaaaagtt	ttttttccgg	gttttaattt	aaaaaaattt	1380
tttccccggg	gggggggttg	tttt				1404

<210> 5197  
 <211> 3111  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3113)...(2657)  
 <223> similar to gi4699963 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



<400> 5197

aggagaatga	agacatggta	caagatgcg	tgcagcagaa	cccgggccc	ttcaggctag	60
ctcccgcct	gcctgcccgg	ccccaccgag	gcctgagcac	gttcccgggt	gccgagcact	120
gcctccgggc	ttccccgaa	gacccacgct	tagcgggtggc	ttcttcggtg	ctgtaattga	180
acgggtccaa	gttgccgacc	tcagcctcac	aggccaaagc	atcagcacca	gaacgcacac	240
ccagcccagc	cccgaagag	aaagaagaga	gcaaaaagct	gcagccgggtg	cttgacacac	300
gccttgaca	tagcagaggc	tccgggctca	ctccttctctg	gtggaaaagg	aagatgcctg	360
tcctctccgt	ggaggaccct	gggcccctcac	cgcaggcagc	agtttgctgt	tttgaaaggt	420
tattgggtcc	cttcctcggg	ctgtgttctt	gctggtgagc	aaaagtgttg	cctgcagaaa	480
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gagaaaaatc	tcacattcat	actaaaaatt	ccaactagac	tcaacaggaa	tgaagtctct	600
atgtgtaatg	gaaagtccca	gcctcccgc	gccgtccagt	gcgtgtactg	tacacatcca	660
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agctcaggta	ctgacactag	gagggtctac	cttacataag	gtacaggtag	aagcttgatt	780
gctaggccca	ggcccaccca	gacctccaa	tcctaacagg	tatttaggct	tgaggttcac	840
tcctcctca	gctgcacacg	cagccaggta	ttaacgagga	tcagagctgt	tctgaggggt	900
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gttacattta	catcacatta	tttataaaat	aagaattaca	tttcatataa	catggccaga	1020
aggagctcta	gtcccccagg	aaagctgccg	gggacagcat	ttgagcctct	tctttgcaca	1080
ggcataactt	aactatacag	ctaattccta	gttaatagca	tttatactta	accacctcaa	1140
tgaaccaagc	ttgaagggaat	ttaaaaggca	atttagctta	aatacaaaaa	taaatttttg	1200
ttaaaaaacg	tttaaatatt	tttttctttt	aatttagaca	cacgcattca	tacttctccc	1260
aaagagggtt	ggcgtggcag	caaggcgctt	gggcctgggg	tatgtggttt	cagaaggacg	1320
gaaggaaaagg	atgggctgca	gagggccctg	tttgggaaaa	ataggatttt	aaaaatatgg	1380
ttcattaatt	taggttttct	aacatctact	ttgggtgatg	tagcctccag	tgaggctcag	1440
taagtgggac	agaaacggca	gagggaagag	gtctttgctt	cccctgggccc	cattctccct	1500
ggctgccagc	ccttgaagtc	agaacaccat	gggaaaattc	aggagtccgc	acttgtagcc	1560
gtcaagtgg	gctactttcc	acattcaatt	agcgaggccc	cagaaaactt	gaaacaggaa	1620
gtccggcact	accaacatgc	cgccactcat	acaactcaac	tcttctccca	aactcgattc	1680
aaagagcaat	acacagagcg	tcagacaaag	gaacacagga	caaggcttga	aacatacaat	1740
cctggagagg	cagacgaggg	cccaatgggg	ccaaagggtg	gctgggagag	gaggcagctg	1800
aagcagcgg	gggcatcctg	cctgctccaa	gagcttctcc	cttcacccct	ggctctgcca	1860
ggctaacagt	cttgagccac	caagctctga	ggggccaaac	tggcagaggg	ttggagatga	1920
aacattgatt	caggcttggc	aggaagaaaa	cggcaggagc	agcaccact	ggggtctcca	1980
aggcaaagct	agattcaagg	gcatttaaaa	aggaggggat	cctgcaagga	actggtgagg	2040
gacacagcag	caagaaatgg	ggaaacagag	tccccagaag	ggaccagagg	aagagaacca	2100
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tcagggtgcac	accaccgatc	caggcgggct	ggaccctgcc	ccctccagcg	acgacggctc	2220
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agaagggaaa	gggccccagg	gctgccactg	ccccctggcg	gctgaagcca	gagatccggg	2460
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agatttaggg	aagggggtgg	gggaacaggg	acaggggaca	aaggctactt	tttgcgggtg	2580
tgctgccttc	gggcctgcag	tcgctgtcga	gcccctgggg	tcttgatcc	cgcaccaatg	2640
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cctgcgaagg	gggtggagg	ggctgtgctc	ccactctgtc	ctgctccaaa	gctgaaagct	2940
ccggtgggtg	tgctggagcc	tgggggtggc	acattgatcc	caaagctccc	actgccagcg	3000
ggggctgccg	aacccccaaa	cgtgaagggt	gatggtgttg	tgctgccc	caccgagctg	3060
ctgctcccgc	tgctggcggt	ataggtggtg	gctccaaaac	cggagctggt	g	3111

<210> 5198  
 <211> 2169  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (2150)...(1754)  
 <223> similar to gil732423 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5198  
 tttttttttt ttgatatttt aacaaacggt ccctttatta ggtttactga ctattatcaa 60  
 cccatccata aaatagaacg ggagtttcaa aactgtacaa gccacaaggc tctgggctgg 120  
 taggaaagaa ggggtggggtc gaggggtccca ggggtgtcggg ggggtgggaga tgcagagaga 180  
 gctagagggt cacccgcat ctgtgaggac ggctgggtca aggccataag ctgggatctg 240  
 tacaagggaa acattcatca gaatgtgacc cacctgaaac aggagggagg aaaatcttta 300  
 aaaagtctta caggtaagggt cccctgcccc cgaaaaaaa aaccgtcaaa ataataagggt 360  
 ggtaatgtac atttctcacc cagtcttggc accaattttt gtgctttaaa aaatatactc 420  
 cactgtaaga tttacttaaa aaaagggtact ctacagcagc tgtttaaaac ataattctta 480  
 cagacaaata tatatatatg tatgtatata tattaacat tttaaaacaa taaagtcac 540  
 tattgtacct gtgcagaaat gaaccaaagt tagactctaa gagagttaac ttcaagtcac 600  
 aagaaatggc aaaggcggtg gcaggtgctg ggggtacgta cgtggaggggg ttgccaggga 660  
 tagggcacc ctctcttccg gcagccgagc taccctctt gaggtctga gagggttg 720  
 gatgaactgg ggctgttacc ctgggtccag agcccggtt ggggtgctga gcagagacc 780  
 gcgctggctt ctgtgaggct cgactctgct cctggtcttc cccatccac cctgcccctg 840  
 gcttctcggg gaatggagac ccactcgccc tccctcttta gttctggggg tctctggga 900  
 caccagagc ttctgaggat gccctggga aatctcagct agaaaagcaa aagcaaatc 960  
 aaaacccac atcaaaagac cccacagaag actaaagaaa tgcaaccctg tgcaagggtg 1020  
 cctgagccca agagttagct gggtacctg agacacagg gaattgctgc agcccttcca 1080  
 gacgggcccc cgaagacacc cagattgcac gtgaggctat ttctccctga ggggcccgt 1140  
 agggaaactg gagcagagcc ccctggaaac tgcagggcaa gggaccaga gacatactt 1200  
 tgctgggca cgtgtgcaca tgtgccagg gagggcgggc gaggcataca tatcccagg 1260  
 agggcacagg tggaaagaaa gtaacagaac agccagagag aggggactga aacagggtt 1320  
 ctttctaga tggataaat aaatggcttt tgttattgtt aaaagaataa atacagggt 1380  
 cggggcaccg gcagccagga tgggtgctgg gtgcttattt gcctgcagac agttcttggt 1440  
 ttctgccttg ggggtccatg tgagtttttg acgtcctgag ctttatctgt gtcttttttc 1500  
 aaagaggggt tgtatatgga cggcatgcag ggatgctgcc ttccgctgat gtcgggaagg 1560  
 gggaaagagg agcctgtgtt ggaatcggtc cttgtcccat ggaggcagcc acggaggatg 1620  
 agggaaagacc agggacctct gtccatggct acggatgccg gtccaagggt cagggtgctg 1680  
 cggccccagc ggcaggcggtc tcagtgaagt ggcaccaggt ggctgtcgcg ctggcggtat 1740  
 gatggcgaac gtcactggta gaggaggtag gccttgagg aagccggcag cggcagcgtg 1800  
 tggatctccc ccaggcgctc cctccccagg gccaggcgca ccgagcgacg gcacaaatcc 1860  
 atgagcggca gcggtcctgg atcgagtcgg ttcaagtagc gcattcggtat ctacagtggt 1920  
 cccagacgg cactcactac aggatacagt tttttgccct tgagtcctcg aaaagccact 1980  
 cccatgtact gtccatccac aatgaagctc agagtccgt cgtccatgtc cagggtacc 2040  
 aggaaggagt cagggacaat gaatgtctca tctggttcca gaaaggctgg gtatgttttg 2100  
 cttggctggt tcttgccatc gtggtagagc cgggtgcgcc ccaactcgt cgaattcct 2160  
 gcaggcggg 2169

<210> 5199  
 <211> 1322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1325)...(678)  
 <223> similar to gi517115 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5199

tttttttttt	ttgggtgggtg	aaggagtgga	tttattggag	cacaaggcag	tgaagcagca	60
aaagtgaaag	tacattccac	aggggtgggag	tgggctagag	caagtggctc	aagagccctg	120
gtagcaaaat	cttctggggc	ttaagtaccc	tgtagagggt	tcttgatggt	tacaccctat	180
gtaaatgaaa	gactgactca	cagccaatta	gagactgagg	tgaattggct	cacagccaat	240
ccaagactgg	tgtggtttga	ctccttatgc	aaatgaatgt	cctggaatga	accaatcatt	300
ggccagagtg	caggtctggc	ccatggccaa	tcagaggctg	atgtggtttg	ataccttatg	360
caaatgaagg	tcctggaatg	gaccaatcac	aggccagtgt	tcagactctt	cagtgccagg	420
gagtgtgtcc	aagtcatcct	tagatcccta	tctctgtacc	ctattctcct	gcctcagtct	480
tgtgtgagat	tttgaccctt	ttgaccatca	tcatcatctc	cccattcccc	caatctctcc	540
ctcaactact	tctaaccact	attcattaat	ctcttgtatt	atttaggtgt	aaggaagaac	600
agaaggatcc	aagtgtgaga	aagcccaccc	tgagtctctc	agaggtgatt	atgactgtgt	660
gagcatgggt	gagacaaatc	ctctgttggt	gttgatggct	acttgaagtg	cttcctccat	720
tctttccatt	gtagaatact	tagggaggga	gagaatatta	tgacaagtta	ttgatgttgg	780
gtgatctctt	tactgaaaag	tttcaggaca	gcgaaatact	atttccattt	tctgtatgcc	840
tcttgcatgc	agcctatcac	gtcctgtaag	gaaaaagagg	aattttttct	tttcatccaa	900
ggttagtttg	tggaaagcct	tccaaaacaa	ctgtatagta	ggatgtgatt	tttggtatcc	960
ttgctcatac	tttgaattct	gttcaaactg	tttccagtca	taatcagtat	ttccaatgat	1020
tgctgtcatt	agttcttcag	ggtagaaatg	tctaagtatc	tccttctcac	agactctata	1080
aaatcctctc	tgaaattcct	cataaactgc	ttttacagag	acgttgaaaa	tgtaatcaat	1140
atacttagaa	acatagtctc	tcttggttgg	ttggtccaca	ggtatggaga	tcccatttgg	1200
aattaagtca	acatcatttt	ggtcccagtg	tatagaaaag	cgtatgcaga	gcgcatctcc	1260
aatgtcatca	gcagcatcat	ctagaacttc	ttgcaaactc	ttccccaacc	gaggactgag	1320
tt						1322

<210> 5200  
 <211> 1736  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (942)...(352)  
 <223> similar to gi212530 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5200
tttttttttt ttogaacctt gtggtttttt atttgacggg gcagatggag tcagtacaca      60
ataaataaca tgaatatagg aactgcgcgg tatcgcggct ggcgggggtgg ggcaagacat     120
tggccagacc ttagtctgc agcaggacag aaggacagcc ggacccctga tcttgggcaa     180
ctggcgaccc gcggctggga accggggcta actcttccct cagagttcca cgcgcgcac     240
gcggtaggcc cgggtccagag cccactcggg ctgtgagtcg gtgccccctt ctcgggcaag     300
gcggggccatc tctgttttg aacagccgct tgccgcgctc ggctgggggc cacattaatc     360
cagttgttg caatccactt ggtgccgcgc gtgaccaggc agccccctg cagcgagtag     420
ttgtctacgt caccaccca accttgcca tcaggcagg agttgtacca gaagactgct     480
gtgccccgtt ggggcttgac acgcagggtt ccttgtcac agtgccctcg tgtgtcacgg     540
aggtccacgt catcctgaat cagactcatt tcacgtagg ttctgttatc tgctacagg     600
aaaacagtct cgcggccacc agtgacgttg ttcaaataaa acagcactgt catgtagcgg     660
caggaggtct cgaagggtac agactcgttg gctaccagct tggatggga gcagatggc     720
tctgggtaca caggcccact gtccacgtgg gcatggtagt ggccccctc accatatcga     780
acaacctgca gcggctcgct gagctccacg atctcaggcg acaggcgagt gaggcgagc     840
acctctctggc ggatggcagc catgatgtgg tgggcaccct caccctggta gagccaggta     900
tggtggctgt tccgcaccag ctccactggac tctgccttgt ggctcctcat gtacttgtgg     960
aagtcgccaa ggtccatggt ggagaactcc tgcagactca gcaactccgc accatcagg     1020
tcagccttga tcgcggcgta catctcctga atgctctctg gagtcacca ccatccatt     1080
cccaggcgag tctgggccag aacctcacgg agctgaagg gcccacacg gttctggtec     1140
agcagccgga agaggccag ctggctgacc tgcatagtgc tcattgcctc ttcatactct     1200
tcagtaggca ggatctggct gcgctgtaac ccttcatct gcgccagatg gatgatgagc     1260
cgacactctt catcagtcag gaagccgggg atttcgaaga gcagcggctt gaggctgagg     1320
gttcggatga agtgatccct gtcggtgacc agctggacct tacgctcgtg cccaccttg     1380
atgccctcca gccgggtgag gggacctaag gtgggctcgg gcccggggcc ctgggcacgg     1440
tggtggggcc cgggatcgct gcttctcgtc ccgttgctgt agtgcacgaa gagcagcagc     1500
gccagcacgt taccagggt caggtgcacg aacaccatca gcaccaggaa gtaggcgcgc     1560
gagcagatgc cgcggggctt gcacagcgga cgcaccgggt cgtcctcgcc gtcgcccagc     1620
acggccgccc cctgagcctg gcagtggctt ggcgggccc actgcggcct cgaggcctcc     1680
tcgtctccg cgtgtcaga ccggtgacct gtcaccgccc ctgcgccat ggcacc      1736

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<210> 5201

<211> 1203

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1206)...(1089)

<223> similar to gi2565048 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5201
ttttttttca gcttttcaga agttttatta taaagagatt tgagagaagc actgggcacc      60
aagacagaca ctcgccagg ccaggaaaca gctgcaaacg acgtcaagaa cccaaaccca     120

```

aacgaaaccc	caaaaccaca	cacacggtag	gataagctgt	aacttcgttc	tcaaggtttc	180
ttcataaata	gaçaaaaagtc	gtcgccggca	attttaaata	gatgaataca	tgattaaaag	240
gagagcagtg	ctccggggtg	gctagcaagc	gtccggtcct	tgctgtgagg	atgacgaaac	300
ggtttggcag	ccgcttttgt	gcgcgtctcc	cttaagataa	aacttaaaaa	tgtgctaagg	360
atcatataaa	atgcttttta	ccttaaagg	aaactacttt	tttccccac	aaaatagtct	420
tacagatggt	ctttcagcac	aggttctaaa	acacgtaggt	caactactta	cacggaaccc	480
acaggtttct	aggtttcgta	atcttttgtt	cacactggaa	aaccgatggt	gcacatctat	540
gccggggggc	gggccctctg	gcccattggca	tctgggggtg	gtgtccgttg	gtaagcgacc	600
ccgccagggg	cggcccacct	gggctggggc	tggagctggg	gccgggtgtc	cagacatagg	660
gtaccgtgcg	cagggcgagg	acaggggtcca	cagttaccct	ggagcaagca	ggtcagcggg	720
cggaaaggttc	ctgcaggttc	tttgggctgg	tgggtgggcag	tgggctgcct	ctgcagagtc	780
tgggtgggagg	ttgaggaaga	gactcagccc	ccgggcaatg	ggtgtgtcac	tgctctctcc	840
gatggggccac	cctgcctctg	gccagggcct	cttttctgct	gtcagccctt	caggctctga	900
gcagtgccct	ccagcgagcc	tcagggatgg	tagggaggcg	ggattaggtg	aggtagagcg	960
atttgtccct	ggggagcagg	ctgcaggtgc	tgatgccaca	ctccccactg	gggtagctgc	1020
tgtcccagtc	cccgtgctg	gtgggggttg	atgggccagg	tgagcaggat	cccgaagctgc	1080
tggggaaactc	agagatgtgc	gggaagtcct	gcttctgttc	ctctcccagg	ctgtcccaca	1140
tggaggccac	gattttggac	acgtcaccga	aagtggcact	ggggttctga	cccttgatgg	1200
cgg						1203

<210> 5202

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(171)

<223> similar to gi3342738 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5202

aagaagatcc	tgtgccgcct	tttccggatc	tttgtccacg	tctatatcca	ccacttcgac	60
cgggtcattg	tgatgggtgc	agaggcccat	gtcaacacct	gctacaaaca	cttctattac	120
tttgtcacag	agatgaacct	catagaccgc	aaggagctag	agcctttgaa	agaaatgacg	180
agcaggatgt	gtcactaatg	ctccacctca	ccctttggaa	gaaaggaaaag	ctgtttcctc	240
ctgggtgccct	gagcgggcag	gaggtggacc	accctggctg	aaatgacaca	cctactccca	300
ggaacagcag	aggtggaggc	aagcagtgac	tcctgagaga	cattccccac	tcactttgtg	360
tgctcttaac	cttctgagtg	ctgctagccc	agacctgtgg	acgaggcaga	ccacaacgtg	420
aaagaaggac	cagccccttg	accgttctgg	ctggggaatt	gtccacgagg	aagcctctgc	480
acttccacac	atggcacagt	tctgcctgtg	acctgccgcc	taagctttac	tggaattcag	540
gttttgagac	tgagatgcgt	gttcga				566

<210> 5203

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(279)

<223> similar to gi3878325 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5203

ataacttctc	acagcctggt	ggcctcactg	ggccccctcaa	ctactaccga	aacctcttca	60
ggaacttccc	cctggaaccc	caggagctga	ccacaccac	attgctgctg	tggggggaga	120
aggacactta	cttggaactg	gggctggtg	aagccatcg	cagccgcttt	gtgccgggce	180
gcttgagggc	ccacatcctg	ccaggcatag	ggcattggat	cccacagagc	aacccccagg	240
agatgcacca	gtacatgtgg	gccttcttgc	aagacctgct	ggactagtgg	tccttgtctg	300
cctgcccagg	aggcatggat	actcaggaag	gaacacacac	ccattatctg	tgtgtgctg	360
ggagtccata	caatgtccat	acatgggtga	actcttgaat	cgctcatagg	catgggactc	420
ctggatccca	cacaagcgca	cctatgggtg	cctcgg			456

<210> 5204

<211> 1257

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(698)

<223> similar to gil228037 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5204

ctgcctggag	gatgctgctg	cattctccta	ccatagcacc	ttcctgctgg	ctgaccgcac	60
tgaggcgtgg	gtgctggaga	cagctgggag	gctctgggct	gcacagagga	tccaggagg	120
ggcccgaac	atctccaacc	agctgagcat	tggcacggac	atctcgccc	aacaccgga	180
gctgcggact	catgcccagg	ccaagggctg	gtgggatggg	caggggtgcct	ttgactttgc	240
tcagatcttc	tcctgaccc	agcagcctgt	gcgcatggag	gctgccaagg	cccgttcca	300
ggcagggcgg	gagctgctgc	ggcaacggca	agggggcatc	acggcagagg	tgatgatggg	360
catcctcaga	gacaaggaga	gtggtatctg	tatggactcg	ggaggctttc	gcaccacggc	420
cagcatggtg	tctgtcctgc	cccaggatcc	cacgcagccc	tgctgact	ttcttaccgc	480
cacgccagac	ccatccaggt	ctgtgttcaa	acctttcatc	ttcgggggtg	gggtggccca	540
ggccccccag	gtgctgtccc	ccacttttgg	agcacaagac	cctgttcgga	ccctgccccg	600
attccagact	caggtagatc	gtcggcatac	cctctaccgt	ggacaccagg	cagccctggg	660
gctgatggag	agagatcagg	tatccccag	ggagtagggg	ctaccttgag	gggatgatag	720
acctcccca	ctcccagtg	gactctggaa	atatgaagga	actagggagt	ggaagagatt	780
tcagagctgg	ggagaggagt	tcctcccttc	aaagccagca	actgcctttg	gggaatgtcg	840
gggggtatct	cctttctcct	gcttgtgtga	gggggtacac	agtccccct	tcacctggcg	900
ggaagcctgt	cccggacaga	ctcatctcag	ctttcccttg	gggcaggatc	gggggcagca	960
gctccagcag	aaacagcagg	atctggagca	aaaaggcctc	gaggccacac	aggggctgct	1020

ggccggcgag	tgggccccac	ccctctggga	gctgggcagc	ctcttccagg	ccttcgtgaa	1080
gagggagagc	caggcttatg	cgtaagcttc	atagcttctg	ctggcctggg	gtggacccag	1140
gacccctggg	gcctgggtgc	cctgagtggt	ggtaaagtgg	agcaatccct	tcacgctcct	1200
tggccatggt	ctgagcggcc	agcttggcct	ttgccttaat	aaatgtgctt	tatttttc	1257

<210> 5205

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (17)...(135)

<223> similar to gi5713131 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5205

tcgaccacg	cgtccgcttc	aaggtctggt	gtcctggggg	tctgtggggc	cctgtggaca	60
agatggcatc	cctggagtct	acacctatat	ttgcaagtat	gtggactgga	tccggatgat	120
catgaggaac	aactgacctg	tttcctccac	ctccaccccc	acccttaac	ttgggtaccc	180
ctctggccct	cagagcacca	atatctcctc	catcacttcc	cctagctcca	ctcttggttg	240
cctgggaact	tcttggaact	taaactcctg	ccagcccttc	taagaccac	gagcggggtg	300
agagaagtgt	gcaatagtct	ggaataaata	tccctcctg	agactgaacc	aaacaaaatc	360
cttgacaaac	actgaaatta	taaac				385

<210> 5206

<211> 2551

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (251)...(738)

<223> similar to gi4680224 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5206

tttcgtggga	aacttgggta	tgaacctggg	aagagggact	tgaggcctca	ctgggcattc	60
tctctgcacc	tgtggcattg	gagaagaaat	cagaatttgc	tctgtggggg	taagggatga	120
aatgagtgcc	cacctgcaca	gtctaaggat	ttaccatttt	cagccggaag	tggcctgcct	180
cttcactggt	gaacagtccc	taaatttcca	gccttgggtc	cacaccaact	ctctggattt	240
tctggccgca	ggaattggat	tcaagtacgt	ggctctggga	gacctcatca	tcctcatcac	300
ttttggcccc	ctggctgtga	tgttcgccca	cgccatccag	gtgggggtccc	tggccatctt	360

cccactggtc	tatgccatcc	ccctcgccct	cagcaccgag	gccattctcc	attccaacaa	420
caccagggac	atggagtccg	accgggagge	tggatatgtc	acgctggcca	tcctcatcgg	480
ccccacgttc	tcctacattc	tctacaacac	actgctcttc	ctgccctacc	tggctctcag	540
catcctggcc	acacactgca	ccatcagcct	ggcactcccc	ctgcttacca	ttcccatggc	600
cttctccctt	gagagacagt	ttcgaagcca	ggccttcaac	aaactgcccc	agaggactgc	660
caagctcaac	ctcctgctgg	gacttttcta	tgtctttggc	atcattctgg	caccagcagg	720
cagtctgccc	aaaattttaag	gggacaagta	gctcccccca	cgacatgtct	ccctttctta	780
gaatatatta	aagtcagagt	ctctgaggaa	ggaatgtgat	ttggcagtca	gggtactaag	840
catgggtggg	aactcctgcc	ttataaaaaat	tgtttttgtg	ttcttaaaga	taatattgtg	900
tttttctggt	ttttgttttt	tccattttat	ggggaattta	aaaaccattc	ttgtatcata	960
aggtgaatta	ggcgcagtgt	ctttgtttta	ttaataattt	ccactagagg	gtgttctcag	1020
gtcactttgc	gggtgaagtgg	acttagttcc	tccttgttct	gtacaaaatg	tctccagact	1080
ttgtaaagga	gctgcccagt	ttgggcctcc	tgtcccga	agacccta	aactaggcag	1140
agtgtgttcc	tgctttcttc	gtctcgtagg	atgtgctatg	attggtgcca	ggcctcacta	1200
acacaggggc	tacctgtctc	ttattctcag	cacctgtgtc	ctgagatacg	ctgcctgaga	1260
cagagagagt	ccctcattaa	cagcctgtgt	ggctgtcagc	ttttgccta	aattgtgatt	1320
cagatgcttt	tgttctctct	cctttcactt	attgccacag	ttgaggaaaa	gtgtcagatt	1380
accctgcagc	aagacaagcc	aaggactggg	agggaaaaaa	aaaccactct	ggaggcaact	1440
gagaaaatca	ctgcttttgg	ataggaatca	gtaggggtgg	tgttttccct	ttgttgaatc	1500
tactagagtg	acaggaagga	ctcccagccc	tttcagtaac	tatcaggagc	cctgaaacgg	1560
tagaggcact	gccatccttg	tgggatactc	aaagcccaca	gggcttttcc	ctccctattg	1620
catcttctga	tgtccccac	acccaccctc	cacctctcca	cctctgtggt	gttcccattt	1680
gtgtgtttcc	catctgtgga	gccagactgt	ttgagcaata	gcttagcagc	gagtcaggga	1740
cagctgccac	tttccacaga	gccacaggat	gggcagagca	gggaccaggg	gaatgaatag	1800
ccagtggaca	aacagtcttg	agctctgttc	agccagagtg	atgggccctg	ccagttaagg	1860
ggctgtgtct	tcattccttg	agacagatgt	gcaatattga	ccctgcctct	ccccagggtc	1920
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tttatectgg	ctgegtttca	ttgcattgtc	tgtgaagtat	aatttctggg	ccagaattgc	2040
tcagttgcat	ttgatccagg	actatagatt	ggaaatgggt	catcattggt	ttctgttgtg	2100
attatagcca	ttctagtagg	cgtttaagggt	catggcctgc	agaaaatgat	gtaagaacta	2160
gttcttaatc	tttcagatca	agctaattgat	gatatggaac	cttgagtctg	aattgattgg	2220
tttacttgga	aaaaaacatg	tttgaatatt	gcaaaagtgc	cgccggggcg	gggtggctcat	2280
gcctgtaatc	ccagcacttt	gggaggccga	gacggggcga	tcacgaggtc	aggagatcga	2340
gaccatcttg	gctaacacgg	tgaacccccg	tttctactaa	aaatacaaaa	aattagccag	2400
gcgtgttggc	gggcgcctgt	agtcccagct	acctgggcgg	ctgaggcagg	agcatggcgt	2460
gaaccagga	ggcggagctt	gcagtgaagt	gagatcatgc	cactgcactc	caacctgggg	2520
gacacagcaa	gactccgtct	caaaaaaaaa	a			2551

<210> 5207

<211> 822

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (138)...(597)

<223> similar to gi5281051 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5207



aaacggagct	tccacaaacc	agatagaggt	tctccagctt	ttctttgatt	gtctctgctt	60
tagcgtctct	aaatccggtc	accatgtcgg	accccgaagg	cgagaccttg	cgaagcacct	120
ttccctctta	tatggccgaa	ggcgagcggc	tctacctgtg	cggggaattt	tctaaagccg	180
cgcagagctt	cagcaacgct	ctttaccttc	aggatggaga	caagaactgc	ctggttgctc	240
gctcaaagtg	cttcctgaag	atgggagact	tggagagatc	cctgaaggat	gctgaggctt	300
cgctccagag	tgacccagct	ttctgtaagg	ggattttgca	aaaggctgag	acactgtaca	360
ccatgggaga	ctttgagttt	gccttggtat	tctatcatcg	aggctacaag	ctgaggcctg	420
atcgggaatt	cagagttggc	attcagaaag	cccaggaagc	catcaacaac	tcagtgggaa	480
gtccttcttc	cattaagctg	gagaacaaag	gggacctctc	cttcttaagc	aagcaggctg	540
agaatataaa	agcccagcag	aagcctcagc	ccatgaaaca	cctcttacac	cccaccaagg	600
gagagcccaa	gtggaaggcc	tcgctcaaga	gtgagaagac	tgtccgccag	cttctggggg	660
agctctacgt	ggacaaagag	tatttgagga	agctcctatt	ggatgaaggt	ttcggacact	720
ttgttggcac	ggggccttgg	gggaaaggaa	atctgggttg	atgcttcatg	catgagctga	780
aggcagaacc	tgtcatataa	tattagctga	cgtgtacctg	tg		822

<210> 5208

<211> 1039

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1039)...(639)

<223> similar to gi4589520 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5208

tttttttttt	ttaaaaaaca	tgaaagcacg	gtttatttgc	tcctaagggt	tccctgtgtc	60
gtagctctgt	agtgcgttga	acgtgaccaa	agcaagcacc	ctgggttagc	accagttctc	120
cctgtggccg	gctgtgtggg	aggggtgggtg	gcacggctct	gagacccagt	ctggaggggc	180
tgtgctgagg	ggaagccgtg	cttctctgtg	tttccgactt	tgtccagtc	tcttctgtct	240
ctgggaagct	catggcagga	tgtgttttgg	tttcaaagct	tcatgtgggt	tctctttttt	300
ttttctctct	ctgtctctct	tttcatttca	acggcgatga	tcctttcccg	agaagtatct	360
tcagtgtcct	agggaggtca	cagcaacaag	gcaaaacaat	aattaaagta	caacagaagg	420
tagtgagtt	ctcgtgtggg	aaggaagcgg	tccgcaggca	gctggccogg	gatgcctgca	480
cccaggtcga	ggctgaagga	cgggggggtct	cgggtgtccc	gcagctctaa	ggctgtggct	540
gggggctggc	tcaggaagtc	atcttcaggg	tgatgtgggg	gatgcagggt	gaatgcgggtg	600
aggagaagag	gagggcgctg	ggctccgggc	ccctgtcaca	gagtggtact	caaagaggag	660
tccaagatgt	catcgtgatg	gctgttgctg	ttggagtgcg	tgtcatagct	ctgggggctg	720
gagtagttgg	ctgcctcctg	cagcctcctc	agcatgttca	tcagcgggtc	accttcagca	780
tactggggg	gcatctgctt	gcttgctgat	ccctcccgag	gcatggagta	gccgtcgaag	840
ccgacatcct	caggccgtaa	ctgcagcagg	ggaggccact	cgtgctgttg	tgggctggct	900
gcccatggat	atgtgtccat	caccacttgc	gcaggatcct	cccagggggc	gcgccttcca	960
tagagctgga	gtccttctct	gacggcttcc	aggagatagg	ggataatgga	atagttccac	1020
aagtcggtga	accactctc					1039

<210> 5209  
 <211> 2061  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (161)...(1451)  
 <223> similar to gi289760 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 5209
ctcggaccca cagagccggc ccctgctgct gctcgggcag ctgcaccacc tgcaccgcgt      60
gccctggagc cacgtccgcg ggaagctgca gccccgggtc accgaggagc tctggcaggc     120
tgccctgagc acgtcacc ccaacccac ggacagctgt cccctctacc tgaactacgc     180
caccgtggct gccctgccct gcagggtgag ccggcacaac agccctcctg ccgccactt     240
catcacgcgg ctggtgcgga cctgcctgcc gcccgagcgc catcgctgca ttgtgatggt     300
ctgcgagcag ccggaggtct ttgettccgc ctgtgccctg gcccgggcct tcccgtgtt     360
caccacccgc tcaggtgcct ctcggcgctt ggagaagaag acggtcaccg tggagttttt     420
cctggtggga caagacaacg ggccggtgga ggtgtccaca ttgcagtgc tagcgaatgc     480
cacagacggc gtgcggctag cagcccgcat cgtggacaca ccctgcaatg agatgaacac     540
cgacaccttc ctcgaggaga ttaacaaagt tggaaaggag ctggggatca tcccaaccat     600
catccgggat gaggaactga agacgagagg atttggagga atctatgggg ttggcaaagc     660
cgccctgcat ccccgagccc tggcgtcct cagccacacc ccagatggag ccacgcagac     720
catcgccctg gtgggcaaag gcatcgtcta tgacactgga ggccctcagc tcaaagggaa     780
gactaccatg ccgggggatga agcgagactg cgggggtgct gcggccgtcc tgggggcctt     840
cagagccgca atcaagcagg gtttcaaaga caacctccac gctgtgttct gcttggctga     900
gaactcggtg gggcccaatg cgacaaggcc agatgacatc cacctgctgt actcaggga     960
gacggtggaa atcaacaaca cgatgcca gggcaggctg gtgctggcag atggcgtgtc    1020
ctatgcttgc aaggacctg gggccgacat catcctggac atggccaccc tgaccggggc    1080
tcagggcatt gccacaggga agtaccacgc cgcggtgctc accaacagcg ctgagtggga    1140
ggccgcctgt gtgaaggcgg gcaggaagt tggggacctg gtgcaccgc tggctctactg    1200
ccccgagctg cacttcagcg agttcacctc agctgtggcg gacatgaaga actcagtggc    1260
ggaccgagac aacagcccca gtcctgtgc tggcctcttc atcgccctac acatcggtt    1320
cgactggccc ggagtctggg tccacctgga cattgctgca ccggtgcatg ctggtgagcg    1380
agccacaggc ttcggtgtgg ccctcctgct ggcgtctctc ggccgtgcct ctgaggacc    1440
tctgctgaac ctggtgtccc cactgggctg tgaggtggat gtcgaggagg gggacgtggg    1500
gagggactcc aagagacgca ggcttgtgtg agcctcctgc ctcgccctg acaaacgggg    1560
atcttttacc tcactttgca ctgattaatt ttaagcaatt gaaagattgc cttcatatg    1620
ggttttggtt tgtctttctg gtcgtcagcg tgggtggtgga aacagctgaa gttttaggag    1680
acagcttagg gtttggtgcg ggccacgggg aggggaccgg gaagcgctgg ggcttgtttc    1740
tgtttgttac ttacaggact gagacatctt ctgtaaactg ctacccctgg ggccttctgc    1800
accccggggt gaggcctcct gcctgctgg tgcctgtcc cagccccagg tcctgtgcag    1860
ggcacctgcg tggctgacag ccaggctctt actccagccg gggctgccag cgcattccagc    1920
cagcccagcc ctgtgaaaga tggagctgac ttgtgcagg ggacctgatt tatagggcaa    1980
gagaagtcac actccggcct ctcagaattc acttgagggt caattaaata cagtacacc    2040
gccccctcaa aaaaaaaaaa a                                     2061

```

<210> 5210  
 <211> 1156

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(1157)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature  
<222> (1156)...(429)  
<223> similar to gi4567275 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5210  
tttttttttt ttattagaaa tgacgttggt actaaaaagc cacacaatat cncatttaga 60  
gaatatgctt aacaaaatat acatcttaaa aattcagcac tccagaatgc tttttcaggt 120  
gtttccattt gagaaataaa gaataaaaaat tggtaataat tatagacaca acttcatata 180  
ataatctgga taatatgcaa gaagcatcat gttgacttct agatatttct ctttgtggct 240  
aacgaaccac acatcaaagg atggaccaaa gttcagatgt acacagtcca gggcacctcc 300  
aagcacagtg gcagtgcctt tggggatttt ctttccctca gtgagagaca cgggggatgg 360  
ggaggagccc aggagtgtca ccagaaagta cacaaccagc cttcttacct agcctgctgc 420  
catcatcaac tatcaaacca tttgctcctc tttgcaagag gtgctccttt agaagggtccc 480  
aataatttct gcttatattg ttgaccagc tgggtgaagc gggtttccgt cttatttccc 540  
ttagcttttt tctagatac ctgctcggac gataattgct gcttctcctg cttccactgg 600  
tttatctgtg gctttggctt tttgggatgg acgggcttca ctttgccctt gtcccgaac 660  
ctgattttgg ggcctcgggt tgaggggagc gccaggacct ttcttctctt ctttccatca 720  
ggcagctcca cctgctccac ttcagccttg gtctggaacc cgggtccatga ggtagagccc 780  
gcctttctct tctgctctgg gggcaccttg ctttgttccct ctgtgtgggt ttgagctgcc 840  
ttctgttgct ggtcttttgc aggtctctgt tgcctctctt gaggtccacc agttgcaggc 900  
ttggatctca ttttttgcaa gctgcgctgg atccttaatt ccttcatttt aagttttctt 960  
cgatcttcta aagagaactc cactattggg ctcttcagag gcccaaagat ttctggattg 1020  
ttgttgatga ggcggagggc tttcagggca tgctcgtgct cttggaactc cgcaaaggcg 1080  
tagcccaggg actgaccctt catgttgcca tgaactcctt tgagggtatcg catcactcta 1140  
cactccttga tgcgca 1156

<210> 5211  
<211> 1766  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(1767)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature  
<222> (1)...(1098)  
<223> similar to gi5732946 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 5211
atggacaggg cggcgctcct gggactggcc cgcttggtgc cgctgtgggc agccctgctc 60
gtgctgttcc cctacggagc ccaaggaaac tggatgtggt tgggcattgc ctccctcggg 120
gttccagaga agctgggctg cgccaatttg ccgctgaaca gccgccagaa ggagctgtgc 180
aagaggaaac cgtacctgct gccgagcatc cgagagggcg cccggctggg cattcaggag 240
tgcgggagcc agttcagaca cgagagatgg aactgcatga tcaccgccgc cgccactacc 300
gccccgatgg gcgccagccc cctctttggc tacgagctga gcagcggcac caaagagaca 360
gcattttatt atgctgtgat ggctgcaggc ctggtgcatt ctgtgaccag gtcattgcagt 420
gcaggcaaca tgacagagtg ttctgtgac accaccttgc agaacggcgg ctcagcaagt 480
gaaggctggc actggggggg ctgctccgat gatgtccagt atggcatgtg gttcagcaga 540
aagttcctag atttcccat cggaacacc acgggcaaag aaaacaaagt actattagca 600
atgaacctac ataacaatga agctggaagg caggctgtcg ccaagttgat gtcagtagac 660
tgccgctgcc acggagtttc cggctcctgt gctgtgaaa catgctggaa aaccatgtct 720
tcttttgaaa agattggcca tttgttgaag gataaatatg aaaacagtat ccagatatca 780
gacaaaacaa agaggaaaat gcgcaggaga gaaaaagatc agaggaaaat accaatccat 840
aaggatgata tgctctatgt taataagtct cccaactact gtgtagaaga taagaaactg 900
ggaatcccag ggacacaagg cagagaatgc aaccgtacat cagagggtgc agatggctgc 960
aacctcctct gctgtggccg aggttacaac acccatgtgg tcaggcacgt ggagagggtg 1020
gagtgtaaat tcactgggtg ctgctatgtc cgttgccagg ggtgtgaaag catgactgat 1080
gtccacactt gcaagtaacc actccatcca gccttgggca agatgcctca gcaatataca 1140
atggcattgc aaccagagag gtgcccaccc ctgtgcagcg ctagttaaagtg tactcttgc 1200
agtggaaatcc ctagaacctt ggacctgaga gtttccctta cctgatcgac atattttcct 1260
ttatctgata aacccatcaa tcatgtggat ttcttgggat tctaattgtg aaaaggttta 1320
tattcacctt ttgatgattt ggggaatata tattgacata caaggaagat aatctgtttc 1380
ctaagcaaga aataacagga aagatccctt atgccaggag gcctgccata ctcaggataa 1440
gatccttgaa tatggaactt agttacagga ctcantaatg gtgggtgaac attagtcatt 1500
tttaaaagac acctcttata gcaataagga gacattaaca tgaatctcat ttattctctc 1560
agtattttta cttgagaaaa tatactgttt gttgtggata gaagatgttg aaaagtaaca 1620
taagccatgg tgctgactac cttttatgtc tttcaaagaa ggtaatcana aagatcttct 1680
agtgaatata tccctaaaaa agatcatatg atgttatgac aagatcatat taaaagggtat 1740
gaagattaaa ttaaggcttt cctgaa 1766
```

<210> 5212

<211> 1136

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (29)...(175)

<223> similar to gi2887409 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 5212
gaattcccgg gtcgagcttg agcccgccga ctgcggccag gacaccgccg gcgcgcctcc 60
```

cggccgccgc	gagatccgcg	ccgccatgca	gtttggcgac	accgaaatta	aggtcaccgc	120
cgtcgacgtc	agcaccaatc	gctccgtgcg	cgcgctccatc	gactttcttt	ccaactgagg	180
gcgcgccggc	gcggtgccag	cgccgtctgc	ccggccccgc	cctctttcgg	ttcagggggc	240
tgcggagcgg	gttggggcgg	gggaaacgat	agtctctgag	tctgcgcctt	tccacgccct	300
ccagccccgg	gggagataag	gtcatgggag	agtgggtggg	gacacacca	gagactggct	360
ttgggattgg	gactggtcc	gctgactgcc	aggctgaagg	gacccgcca	ggactgaacg	420
ggtaagagaa	gaggtttgca	agacagagcg	cgcagccccg	caaggggcat	gtgaccccg	480
aggaagaacg	caacagaaga	gtcctggtct	gaacttggtc	gagtaggggt	gggggtggga	540
tggcaggagg	agccgcagga	ggaaggaggt	tgtgcagggt	ctggacctgc	agggctgaag	600
ttcactcatc	gaccgactca	gcccgaaccg	ggagccaggc	agaaaaaccc	tgtgccgtag	660
gaaagtgact	ggaagtggac	tccagaggga	cagggtgtgt	ggcacagtcc	tgggtgtggtg	720
ctgaccaccc	aaatatgact	gtgaattgtg	gaaagggcag	tagatctcta	atgtggaggt	780
gggaacatta	ttgtggtgga	ggcaattatg	agggtagcat	ttctttcgag	acaaaacacc	840
cgtctgggaa	ggccccaagg	tcagcttatg	aaggaccca	cttgacccc	acccagcca	900
tggaagagca	gctggagggt	ggatggggag	gccagaggga	gcaatgaggg	gtggtcccag	960
ctctgctatt	gactcggtat	gccttttaga	cattctctta	ccgctcatgg	gcctcagttt	1020
cctaaagtgt	gaaatgtcag	gcacttcctt	ctaactggca	tgcaacagcc	ccacctgcct	1080
gagagccctg	aggtgacaat	aaaacattta	tgctcaaggg	gagaatacaa	aaaaaa	1136

<210> 5213

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1017)...(485)

<223> similar to gi5824476 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5213

tttttttttt	ttaattaa	aatgttttat	ttatacaaat	ggacaatcag	aggccagtc	60
cccgtccttg	ccttccggct	ccagtgtggt	gtaccagggtg	gccactgcct	gctgtcccgg	120
caagcacgtc	ctcacgtca	gctctggccc	gcctcgtcgt	cactgtcctc	aatcagacag	180
tcccggatct	cctgcaagcc	ccaggccctc	tgtgtgcgga	cgtgggcctc	agccaggatg	240
tacggcggca	gggggtccag	tgagggtcac	caagtccttc	atgttcacgc	ggcagctgta	300
gcacagctgc	tcctcaatgc	aggctttggg	gtcctccctc	ctgcaggccc	cctggccgca	360
gcgctggggc	cagcccaccc	ctggagaaca	gcagggcccc	gggggtgtcc	gggtctcagt	420
cagggggatg	ggtgactgca	tctgggagag	acgcgaggag	gtctgagccc	caaaagccgt	480
ggcactgtca	gcggcgctga	cgtccagggc	acacatgcag	aggaggcagc	gggggccgga	540
gtcgccagca	gcagggccat	cccggggggc	cttcaccagc	ttctcacttg	tcctgtacac	600
agtgtgaca	gtggaggggg	actgggtctg	cagcctgagg	atgaaggcct	ccatcagccg	660
gtggatgctg	gccttttcag	gggccttggt	gtcgacggct	ggtgtgaaga	cagaagggaac	720
ggagaacagg	cggttgtaga	aagcgacctc	cttcagggtg	tgggtcccgc	tgggccgcac	780
caccaccacg	tcccgtgcc	gctcatccga	gaagcccgtg	tcccaggcca	ggaaggcccc	840
tcgacccagc	gccaggttgg	tcatgagctt	gatagccaag	cgtgtgcagc	tgtccccagt	900
catgaccttg	gagtagccgt	gggctcgggc	cacgtggagg	atcagggtgg	tccgcagggt	960
ctgcagaagc	tcctccttgg	cagtcagtg	cctcactgag	cagaacagtt	gggaaagagc	1020
ctcagctctg	gcaggggcag	gcggtcctt				1048

<210> 5214  
 <211> 1053  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (637)...(919)  
 <223> similar to gi1002786 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5214

aaacaataca	cctgtcagtt	tccatcaact	atagcaatcc	atgcagaaga	caagaggccc	60
cctcaaagca	ggaggggtat	tgtttttaggt	ccaatttttc	ttattgttct	caaaatcatt	120
ataaggtgga	cagtgttttg	tgaagatttt	cttttcccca	gctctaagaa	accatgtgga	180
aagaattcat	tgataactgt	tttgattttt	ttcttttttt	aagtacaggt	tttgctaagt	240
aatcaccctt	agtgagcctg	tgtagttcag	ctgcctgtga	gatgtttggt	gaccagctca	300
gtgtattctt	gtattcttga	tagagaatat	ttcaggagac	aaaagtgctt	cttcagacca	360
gacctcaaat	aacaatttta	ttctttttta	taaataagac	ctcagtaggc	ggacctgata	420
acagtgacaa	tgaaaggaaa	atagtggcaa	aatgtgagtt	tccagcatga	tgtttctcat	480
tttattttct	tctgtatgaa	tcaaaagaat	gctttacaaa	accatgttcc	cttaatcaca	540
gtgttctctg	gcttttatag	gattgtcata	gccaggacca	cactattgct	ttttcataac	600
attttctttt	tgtttctttc	ttttgaattt	cttacagggc	tgcaaagtat	gccaggggag	660
tatgtagccc	ggggtggtcc	aatgggtgtg	agtatgggac	agccaagtta	taccaacccc	720
cagatgcccc	cccctcctgc	tcagctgcgt	catgggcccc	ccatgcatac	gtacattcct	780
ggacaccctc	accacccaac	agtgatgatg	catggaggac	cgccccaccc	tggaatgcca	840
atgtcagcat	caagccccac	agttcttaat	acaggagacc	caacaatgag	tggacaagtc	900
atggacattc	atgctcagta	gcttaagggg	atatgcattg	tctgcaatgg	tgactgattt	960
caatcatggt	tttttctgca	atgactgtgg	agttccattc	ttggcatcta	ctctggacca	1020
aggagcatcc	ctaattcttc	atagggacct	tta			1053

<210> 5215  
 <211> 2210  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2211)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (2212)...(1523)  
 <223> similar to gi407419 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 5215
tttttttttt ttctttaaaag aaaacaagtt ttattttttat catcagaaca ttctaataaa 60
aatattatga tgagattagc taccttttatt ctctgagcct tgactctgtc acaggcctgc 120
cctggngcgc cctgcacgct cagctccctg aggtaggtcc ggaggggggg agaccccccc 180
gctgcccccc gcccctnngg cagggatacc ctttaccttt aatgggtccc tccttcaga 240
cccccaacag cccttgggat gcccattag cagccctgcc acgggttggg aagaaactgg 300
cctccaccct ccaccaaccc ccaagacagg caaggaaacc gtctcagggc tgggcacaac 360
agcaggtggt gcgggggtag agggaagagg cgcacccttc tgcactcaac cgctccagcg 420
ggcagagctg agggccactg cccccccag gctggcacca ccatggtcta gaccccaagt 480
ggcctgaatg ctgtggatca ctctcttctc cccttcaca gtgtttgggg agttggggag 540
gaaggggaagg gagaggagtg tcaacgtcgc agtgacgggg tcctgagaca actcactctg 600
ccaccccggc aggcggcagc agacagtggc ccgcacgggc ctgaggggccc tcctgtctgt 660
ggtgccccatc ccaccgagag gatcctggcc cgcgagccgg cagacacttt attatacaga 720
aacactatcg tcgtctccac gggcggaacc aacaaaagca agtctctcca agtcaaaaat 780
aggttttgga ttcttggtgg cggcagatc cgctgaaaaa atagactgaa cttctgaaat 840
tatcttagta gcaaaacaat tacaagaaaa aagttgcaac ttcagtgcta tgactggaaa 900
ggggcctttg gccggcgccc cctgttaccc gcggccccctg tgcgcctggg agctcctccg 960
ggcttgagga agccgcccac gtgccctgat ggagaaaaatg ggactccaac aggaggcctg 1020
gtcctcacac ctcagactgc gctcacagct cgggaggatc aagttacaat aaacagtcca 1080
ttaacttctt gctttcaggt ttccctggag tcaggcatct ctgcacagtc cagggcagcc 1140
aggggctgca gaggtctgtg gacaccccg cagatgcag cagtggggac acaagcctga 1200
gggaacctgg agtgtggaga ggcaggagaa ggtgcaagga gaggtgcca tgggtgtgcaa 1260
ggaacctggg attgcgtctt taaatagttc tcagtcattc ttaaagtcct ccctcaagac 1320
acaatgggac ctagattaaa gagaagccgt ctctccgctg tcccaggggc caggcggaat 1380
gcccgagcgg tcttcggagg cacgggtgct ggtggcacct cactgaagct cagccgggct 1440
gtcgccagcc catcatggcc tggcagctct gtctgtgtgt aaggtgacaa tgccacagtc 1500
ctcggggcag gaacgcccct cactgcatcc tgtcaggctg cagctgcggc gcctggtact 1560
gcacgaaaagt ggtgcccgcg ggtgctgcgg ctgagagggc ctggggcacg gcggcagggt 1620
agctgtagcc cacgaagctg gcagccgtgg caggcgaggc ggcgatggg tactggtcat 1680
aggtggcccg tgggtactgg gcgtaggccg ggctggcccg cgtgtactca atgtagggcg 1740
aggacagcga cgggacaggg gcggctggga tcaccacgct gggctgcacg atggctggtg 1800
ggtagatgta gtgcggggtc agcccgtaa tccgctggat caaggtgggg tgcagctgct 1860
gcacccaat ggcaaagccc gtctggaggc tccgcggctt ggcgcccaga tatgccaggt 1920
tcacgttggc cttgcggccg tcgatgatgg ggttcgggtc tttgcaagcc ctctcagctg 1980
ccgcccggac ggccatggtc acgaagccgt agccgcggga cttgcccgtc tggcggtcgg 2040
tgatgaccac ggcctcctcg atgtcgccga agccctcgaa gtacttcctg agcgaggcgt 2100
cggtagtgtg gtacggcagg ccgcccacga agatcttggg gaacgtgggt cccttctgcg 2160
agccgtacat gacgcggggg gcggccaggg gccgcgagaa acccgcgctc 2210

```

```

<210> 5216
<211> 1909
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1910)
<223> n = a,t,c or g

```

<220>  
 <221> misc\_feature  
 <222> (1909)...(1473)  
 <223> similar to gil668766 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5216

agttcctaaa	ttgggggaaa	catagtgaat	tccacataat	gttttaaatt	attcagccac	60
taaaaataaa	tttacatatg	atttcattaa	tatattcact	atctaaacca	tattttttac	120
actacgtaaa	atacattgta	tatgtacagt	gagtgatgct	ttttgcttta	gttctcattt	180
ttcacattaa	ggggaggaaa	gctacccata	gatatgattc	ttactccttt	tcacatgctt	240
caaggacagt	ttgcaagtgg	atataaatac	atacacatca	ctagtgatta	tgcttttatg	300
ttatttccaa	cttcttatag	gtaacataat	tttcagacaa	tgtagctgg	ttttaaaccc	360
aatcagtaaa	ctggcattaa	aggattctta	ataaaccaaa	cactgaaggc	ctctttcata	420
tttgtatcat	ctgcattttt	ttttatatgc	ttgtcatgtg	gctttacttt	cagcctcact	480
cttttcttct	tccaaatgga	ttatccttaa	accttttacc	tttaaagagc	ctgagattta	540
tatttaactc	gaacaacagt	ttgcctctgt	tgcccctgtg	ttcatgtttt	cctaagccag	600
agtttcccac	gcttcctgtt	cctggcagcc	caagtgcctt	cgctgggcta	ctcccacctg	660
gcccttgctt	ttcattccct	agggcagtca	cttagcacct	tccaaagtgc	ctgcacatgt	720
ttcttatttc	atttcttaaa	cattcatatt	accactattt	agattgaagg	aacagaattg	780
gtttgggctt	gaagagaata	caaagagatc	tgtcttcaat	tatctgatag	tagtaaagtt	840
tcacgggaga	aagaaagatt	tcggttccac	ataaggaaaa	acttggaag	ttttgaatgg	900
aaagttcata	gagagattca	gtaaccacct	gtcaggaatt	ttgtaaagac	gtctacggcc	960
atatcaccct	gaacgcgcct	gatctcatct	gatctcgga	gctaagcagg	gtcgggcctg	1020
gttagtactt	ggatgggaga	aattttataa	agaacacatg	aacactagct	ggcctatgtg	1080
gcctttaaaa	tctcttccaa	tcctgagatt	cccacaactc	tggataaaaa	ggggcaaaag	1140
tattagacat	ttcactccca	ttaatatgag	ggaagtaa	gacattgagg	tccaatttgt	1200
ctgtagtcca	gaattagtcc	aatacagacc	cttagacca	ctaggaaca	aaaagcaagc	1260
atttcaagtt	acctataagc	ctgggctcat	cagaatatag	aaacagccat	gtgctagctg	1320
aaagccattc	aatgaggctt	tctattaatt	tcctttaaaa	gcaatgggta	ttattgaaac	1380
tcctaaatgc	taaaatctga	aggacccatc	cttatatata	agttctgata	atactgaaac	1440
agtcatttag	caacattgct	ctgatgtcca	ggaccctggg	ctgtaatgaa	agcaatgaag	1500
ggaggggctg	gcagggcact	actgggggtg	tataggggac	actgcttata	ttcacaaggc	1560
cacgtggctc	aagcatagcg	gagagcaacc	acagtgccat	gacaagaatc	gatcgccagg	1620
gtcagggaac	gggtggagac	ggtgttcata	gaagctggaa	gccacttgca	tcgatgggtca	1680
ctgcaacagg	agatctcaaa	tatcttgggt	tcctttttct	gcacctggat	ttgctggtaa	1740
tatgtgagat	tgagcagccc	cttgtgagcc	aagagttcta	tcttctcagg	cagtggtcct	1800
tcaaagggtc	aattcttctc	accataagcc	agagcacggg	ccccaaatg	cagccgataa	1860
gccacagtct	gtttatctcg	gcccggtaat	tccaaccggg	ntgacgtca		1909

<210> 5217  
 <211> 1462  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1463)...(1171)  
 <223> similar to gil872200 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



```

<400> 5217
tgagggcccc tgtcaaggcc cccaccctcc tttttctgtg tttagtgagg gtgtctgatg      60
cataactgag cctcagttgg gaggggctga ggggatcggg aacacttcca aggggaagca      120
gctgggggtga gagccccaag gtggagagaa cttggcaagg ttgaagagga atgggtgggca      180
ggggagggag aagagtaaaa gaagaggcag ttagggctgc ccgggtcagt ctgggaactt      240
tggcttcctc ttcaggtcac taggagccat cagagggtta agccagcaga gacagcttcc      300
tgtttttaag acgttggctc ggctgctgtg ccgggagcaa gagagaaaga gacttggggg      360
agttcagaag aggtgacggg ggtggaggaa agtggatgga tatggggctc ctttcagagg      420
tagaacagtg ggtctctctt cagaggtaga acagtgggac cttctgacca ctggcaggta      480
gagggtaagg gagaggggaa ttgggttgcc tgctagtttt tgctttaact aactgggtag      540
atgctgatgt cattcactga ggaggaagag ggcaggttga gggtaggtag aaattcacag      600
ttttggtttg gttgtagttt gggatccctg tggacaagaa aagtttccat gggatatatta      660
tgaatgcctt ctgaatcaag ggtttaaatc acatcctctg atttattctc cccaaagacc      720
actagatgcc gctgtttaca cgggagcaat tatgcagtac aagactcctt tcctgaggag      780
agggcacgga tgccggagag ggtactgatg ccggagaagg cactgatgcc tgacagggga      840
acccacagag aggggagccc ctgcctttga gggggttact ctttactggg agacatcacc      900
cttcagtgtg gtcttcagac acatgtgata gcagtgtgac ttcatatggg atagaaagct      960
agggactagg tagtgtttga gctgggtcct caggggttga aggcatttca ggtgggggca     1020
ggacgctcca agcagaagga acagccgggc aacagagcgc atctccctgc ttatggggta     1080
gatggtacag tgaagaggtt attggcatag ggggttggac ttttcagtgt ttctcaacaa     1140
aggcacagtt agccttttaa agaaggacgg tttttggctg ggtacggtgg ctcatgcctg     1200
taatcccagc actttgggag gccgaagagg gcagatcagc tgaggtcagg agttcgagac     1260
cagcctgacc aacatggaga aaccctgtct ctactaaaaa tacaaaatta cccggccatg     1320
gtggcacatg cctgtaatcc cagctactcg ggaggctgag gcaggagact cgcttagacc     1380
caggaggcgg aggttgtggt gcgctgagat cacaccattg cattccagcc tgggcaacaa     1440
gagcaaaaact ctgtctcaaa aa                                           1462

```

<210> 5218

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1690)...(667)

<223> similar to gi4336692 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5218
tttttttttt aggcagaagg agtcagagag gttgccttta atagctcagt tactattggt      60
tatgttgata aagggtctgt taatgtattg ccaaaagaga accaggaaaa gaggtccagt      120
tttgggaagc acttgccctta cttgtacccc gctcactctc aactgaggct cctgtgatga      180
gcacagtggg cacacacccc atccccaacc tgtccacggg tccctgggccc atgggtgggg      240
tgggagtgac actgctatga ggggaacgtg gagagctggg ggctcactca tgggtgagagg      300
ctcaagggcg gcagtggctc tgcagcaaag ttggcagctg gagcagcgtg tggggcccg      360
gaaggaactg ggaaggagca gacagggtgg ggctggggga actgccaagg atccccagcc      420

```

aagccactgc	gaaactgaga	aggggtgcttg	ccacatggga	gccacttcgt	ttggctaagc	480
attgggtctg	ggttcaggag	ccacgatgct	gccccgggta	ccccccctgc	caccgtggca	540
gggtgtggcac	agacacaggc	ctctgccaac	agggcagctg	ggcacgctgg	gcactcaggt	600
tgccttctcc	ttcccgtttt	ccattggttc	ctccttcagg	ttctcgggtca	cgagcttcat	660
ttgtctgctgc	ttgagtgcct	ccaaagactc	aaattccagt	ctggctagtt	tcatctggat	720
atgccgtggc	ttatcaggta	tggcaaatgc	aagtataaac	tttaaagcca	ggagtgcgtg	780
ctccactgct	actacaatca	aaatgaggtc	tgtttttgat	tctggaaaga	ctgcattcac	840
ttgtgggtgac	attccaatca	gcgcacagtt	agtgaccaca	gatataaacac	tcatcatttc	900
aaaagccaac	tgccacacac	caatattggc	tgaaggttct	gagaatggac	gtttgaagac	960
cctgcacatt	tttaaggcat	ctgaatttac	ttcagtgaag	ttatttaaca	cagcaaaggc	1020
agctgctaata	gggtaaacac	aggagaaaag	gctcacataa	ccaaactgca	ggaataactc	1080
caagtaatca	tcaaagggtgc	ccaaataagt	tcccattttct	ttttccagga	tgacttggtc	1140
atataatgta	gcacatcaatgt	ctgccttttaa	agcctgcacc	ttcctcttca	cctgcacacc	1200
atgcttcctt	tggagccaat	aaggaagaaa	agattccata	atttggttga	ggatctggga	1260
ggtaattagg	agagtggcca	agctctggcg	caaaagcttc	atatctttca	agacaaaggc	1320
aatatagaag	agtgaggcaa	agcaattgag	gaagttgaac	actaaaactt	tcagaattag	1380
atggttctga	taggcagatt	ccaatctgtg	atttctcccat	gaagttaaaa	actcggcagc	1440
atatcgatag	agacgattca	tgatctcaat	cacaatggca	tagatgatgc	tgggacacata	1500
caacaggaça	ctgggtccact	cagaccgcgt	gttctcatgt	agacccaagg	cccaaacctc	1560
catgtcgaag	taaatacatca	tgacatacag	tgagaaatag	aggcagaggc	acacgaatgg	1620
caggagacc	aggtaaatgc	gcaactgtct	cttgtagctg	gggtacagag	gctcctcctt	1680
cccagtgat						1689

<210> 5219

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (44)...(142)

<223> similar to gi4235143 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5219

gagaatccca	gcaagaatca	cattactttt	ttctaataaa	acaggtctta	ctgtttctaa	60
gccagaactg	attagccgtc	tggagcaaag	acaggagccc	tggaatgtga	agagacatga	120
gaccatagcc	aaacccccag	gtaggttgga	tgaatgaaac	acatgccaca	ggtgaaagct	180
ccaaaggcca	agaaggaaga	cagacttcaa	gagttatttg	agaagctctg	ctccaatgga	240
gatgattttt	gaggaacgtg	attgtttatt	cttgtctctg	tacagaggca	tcttctgtct	300
aatgctccta	aattctctaa	aaagtaacct	tactttgagg	ttatagttag	agccaaagtc	360
ctcttcatgg	cttataagag	actttattat	ctgactgccc	tttcattgtc	ttggggcaca	420
cagaaatata	tgtgtatttt	tgaggaactc	tatgttaa			458

<210> 5220

<211> 689

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(436)  
 <223> similar to gi4406663 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5220

gggctatacc	ccaggtgaat	caattcagat	atttgctgag	attgagaact	gctcttcccg	60
aatggtggtg	ccaaaggcag	ccatttacca	aacacaggcc	ttctatgcca	aagggaaaat	120
gaaggaagta	aaacagcttg	tggttaactt	gcgtggggaa	tccttatcat	ctggaaagac	180
agagacgtgg	aatggcaagt	tgctgaaaat	tccaccagtt	tctccctcta	tcctcgactg	240
tagtataatc	cgcgtggaat	attcactaat	ggtatatgtg	gatattcctg	gagctatgga	300
tttatttctt	aatttgccac	ttgtcatcgg	taccattcct	ctacatccat	ttggtagcag	360
aacctcaagt	gtaagcagtc	agtgtagcat	gaatatgaac	tggtcagtt	tatcacttcc	420
tgaaagacct	gaaggtaatt	tgataatata	cgtctaagct	taatctctta	ctactattat	480
caagaaaatt	attttgcctc	tgatatttta	tgaccctaga	tgaacataat	cttttcctaa	540
agaaagtaga	tgtgccccta	atattcagtt	ttgattatat	gtcttcatag	tttcgatcac	600
caaacaataa	ttattttacc	ttgacgttgc	tttttaatac	ctactattct	gtgtattttg	660
acatgcataa	gaacatgctg	ttcgaattg				689

<210> 5221  
 <211> 2948  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2908)...(2246)  
 <223> similar to gi5457690 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5221

tttttttttt	ttgtgaaaat	tttatttttc	tttttattgc	aaattttctg	ttaaaggaaag	60
aacatggaag	ctgattctca	tttgagcttt	ggtgagaaga	gaactgcact	gtggctcgac	120
agctcaccac	ctcggtgca	cacccaaaca	cgcggaggcc	tcgggcacgc	actgatgcct	180
gcgaccacac	tcccagaggt	tctgacttaa	tcggtctggg	aggcacagcg	gggcatcagt	240
agatttccca	actcctctgg	atgatttcaa	catgtagcca	aggtgagcac	acctgcggtg	300
gtcatctca	aggggctggc	aatgtcagaa	gcacctgaga	agctcagctg	acagccaagt	360
gtcacctgct	tacatcactc	cttggccaga	gtccagctgg	tgttccccgc	ctccctcttc	420
ccaggtgtcg	atgttctgat	tccttctcct	caaagacccc	acaagacaga	gatgctggag	480
ggggtgtggc	ttcctgtgct	gtggtttgtg	cttaaactgt	gagaaccaca	tgaaccacgt	540
gtacgctacc	acaaaagaaa	ttcactttct	gattgcaaaa	cagcattcgc	ctctttttat	600
ttgttaagtg	gaaacttgtg	gcaaaataag	aaaacatgtg	ttggataata	tagtccctat	660
ataacctctc	atgtccaaat	ttgaaaaaaa	aaattgtcaa	gccattgaca	gcaaaatatg	720

tacttttagca	gcatatttta	tatgggtaaa	cagtaatagc	cagtttagaca	cttcatttgt	780
gatttgtcct	aaaaatagaa	aatgcttttt	attttcttga	gtccttggca	aacaaaaaac	840
atttttttct	ttttaattgt	taaagtctct	gtttttcttt	ttcctgggac	accctcacag	900
ttcagaacgt	tgtgtctcac	tgtcagtttt	tacatacaga	gatgaacaaa	cagcactggg	960
gccaattttc	aatgactgat	caaatatggc	gattgaaaaat	aaaacaccca	tcactctacaa	1020
agttgctcaa	gatgaaagtt	tcttacagtg	ctataaatgc	aatatcaatt	tgaattgttg	1080
tccatacaaaa	agtatgaatt	tctattccat	tagtaatact	gaatgattaa	taccttaaca	1140
gcgataaaat	ttttagaaca	tttaaaaaat	acagaggatt	ccagttttac	atcatacttc	1200
tgacggatta	tcatactttc	tattttgtct	gcaaaacttt	tacagagtac	agtgcattga	1260
catgataaaa	ccaaggcaca	aaaatacagt	tacgataagt	gtatataaac	cctagcactt	1320
tgtgccaat	ttggaaacag	atcataaagt	ctgaaaaatt	accacattct	atltgattag	1380
tgaacaatta	attgtgcagt	aaatagactg	ttaaccacca	ttccattatt	aaatatatgg	1440
ctatcactat	acaggttgtg	gataattcaa	aaatagtttt	aaatattaaa	acctgtaata	1500
tctaggtggg	caacgcagat	attgagcctt	acgttatcta	aataagtttc	catttaattt	1560
gcaatccaca	tggcagttag	caatttttaa	actattttca	ttacataaat	gggtggggttt	1620
attctaaatg	ttaaatcctt	tccccttaca	aaagacagaa	gatttacaag	aagataacca	1680
atataagaag	tgcatagaca	acgataataa	aatccaaatt	ggactcaaag	gttgaagtct	1740
aatctactgg	gacattctct	taatttaggg	tgaggagcaa	cacattcctg	tgatgattca	1800
ttagtttctt	aattaaaaaa	aaatcccat	gacatttttc	aaaatagtaa	acagtcttca	1860
ttagtgcate	aagcattgaa	gaaaaattgt	cgtctttcca	ttcgtaaaat	gaagaagata	1920
aaagcctttc	aaaatccagg	gcgggggatt	tccattgaat	ttagagaagt	gaaataaact	1980
ggtaaaaact	gtatttcata	cttttaacaa	aagagtattt	tcaagactca	aggtaaacat	2040
ttagacccat	aaaaacacat	ttcttggcac	atgcacgcca	tgatggaac	aatcctgaat	2100
gcagcgatgg	cctggctaca	gaggtatccg	gctcctagcc	ccactggcaa	aactgtcttt	2160
taggaccttg	tcccagctcc	cttcacatgg	gggtctctgg	cttctgcate	agctggattt	2220
gcttctgtag	ctgggtccctg	tccagcttca	tcttggcctc	gagaacttgc	ctgagggatc	2280
ctatgctttc	atagacggct	gtaaacccag	cattaacttc	tgctttcatt	tccttgatgt	2340
tctggttcat	ctgtaactcc	agcttgggtga	ttcgcccgtg	catcttctcc	tcttcttgcc	2400
ttgttctctg	accatcaaaa	gtcttctttt	gacctctctc	tattttgtca	agcctggctg	2460
acatctggct	gagcttcttc	tccatatccc	tttcaactggc	tccactgttt	tccttaacaa	2520
tcaaggaaag	ctgatcaatt	ttctgtaaaa	gctctttttc	tatccgttct	tgttcctggt	2580
gcaaccaact	ccgtgcagat	aatatctggg	tactgagttc	ctcaactgta	cctttaaatt	2640
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ctttgatttt	cgtttccaag	ataagtttgg	cagcctgctg	ttctttgttc	aagtgtctgga	2820
gcccctcata	ggctgttttg	tgctctgcag	aaagactagc	tatgctggca	tcacatctgt	2880
ccagacaaag	aacaaagctt	gccactcttc	ctcgaagatc	ttccacaccg	gagagctggc	2940
gcatctcc						2948

<210> 5222

<211> 1414

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1231)...(306)

<223> similar to gi3873707 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5222
ccataggcag ggtagggcatg cagcaggggag ccggaatcca atccctcgcc attaatttaa      60
cttagatgag ctactcctgg tccctggagc cactccccag gaaggatcct gtgaagacac      120
atctggctct cgtgcccattg ctctgccac ttgcccac caacgaagt agcaaatagt      180
aaagtgttca tcattacctt gttttgtatt ataaaatgga atcaggaaca taaataggaa      240
caagtagcaa aaccccagcc ctgctgtagg ccattatcct ctgagccacc tctgcgtagg      300
ccaatgagtt tggaaagttt ctcacagttt tcaagtttca gcgactctgc tttctgtttc      360
aatcgttcat ctctgtataa tctgcccata ttgtcagct ctgacttttg ttgtttctcc      420
ttccaacaac tagtctggat ataataatg taatccttct ctattgtttt ctccaagtca      480
tgcagagaag ctctctgta ggccttgta aagtttttat ccacaaagta aggcacctgc      540
aggttctgag tttctctaga aatggtgtag cccaaggctg atttatagaa cagactatat      600
gggggattag tagccagcag ctgagtaatg acagatataa tcacaatcac aagaactgga      660
agtagctgaa taaatgcaga atatgtagtc tgaggtttct cttcttcctc ctcttctga      720
gtctgtgtcc tctcatgtcg gtgccgtcga cggtaatagt aagtgtcatc tgtcacattt      780
gaaaacatat gaatatctcc tgtaggaaaa tgtcctccaa agaagacgtt gaacagctct      840
tctggagtga tgtcagcttc aaaatccctg taataattat aagggtctggc tcgaggggca      900
gtgaaagtca cctgttcata tccgtattca tcatagcgaa gtctcttata aggattgtc      960
aggactgcaa atgcatttcc tattgctttg aaagcatctg ttgtccagg agcacagttc     1020
ttgtcagggt gaaatttcag ggcgagtttt ctgtaagctt tcttaagctc ttcgtcacta     1080
gcatctcgag aaactcccag aatttcatag taatttctgc atttcttgat cctttgtacc     1140
ccaagcagct gttcctcact gtacgtggag ttccctcac cctgccgggt ctgagtccac     1200
tcattctcag acttcttttc cttttgtgcc ttcatgcagt tacagcagcc acaggggtca     1260
tgactctcag gaggtgtgtc ttctgggtat ttgtttcttc taactgcgtc aatgtaagct     1320
tccgtccagc gctccccgct gccagagtc gccgcatat cggttcccaa tcagcaggtc     1380
cgccgagcct cccccgcgcc cgcccacgcg tccg                                     1414

```

```

<210> 5223
<211> 206
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (23)...(151)
<223> similar to gi190482 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5223
cagtttgtta aaggggggatt ttggcccccc ccccaaaaac cccaaaagtt tttttggggg      60
tttaaaaagg gggccccccc cgggccaagg ggggccaccc cgggggtttcc ccccttttgg      120
gggtttaaaa agggggcccc cccatgggtt taagggtttc cacaccgggt ccacgggggtg      180
gtatacccc ttttttaaaa aaaaaa                                     206

```

```

<210> 5224
<211> 429
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(200)

<223> similar to gi5019774 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5224

gagagaccag	gtggactgga	gtagactgtt	gagagacgct	ggtctggtga	agatgtccag	60
gaaaccacga	gcctccagcc	cattgtccaa	caaccaccca	ccaacaccaa	agaggcgagg	120
aagtgggaag	ttcccaagac	aaccgcgaag	ggaaaaggga	cccatcaagg	aagttccagg	180
aacaaaaggc	tctccctaaa	agaccgccgc	ttcaaaaaaa	cctgaggaat	ggagtgggccc	240
aacactatcc	agccactctg	accagccgaa	cgaggaactc	aatcaaaatg	agccatagcg	300
ggaccacaag	ggcaaggaga	ccaccacctt	ctccagtctc	tcttcggaca	gccagtaatt	360
cccgggcaag	gccagagact	tcaagtctat	ctgaaaagtc	tccagaggtc	taaccccaga	420
taaatagcc						429

<210> 5225

<211> 2318

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2319)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (4)...(1002)

<223> similar to gi3929219 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5225

ccatctagcc	catcaagcct	ttctgctgcc	agcagtcttg	acaacttata	tgggagtttt	60
tcagaactgt	cttcagtagt	tagttcaagt	ggaacagagg	gtgcttccag	tttgagaaaa	120
aaggaggttc	caggagtaga	ttttagcata	actcaattcg	taaggaatct	tggacttgag	180
cacctaattg	atatatttga	gagagaacag	atcacttttg	atgtattagt	tgagatgggg	240
cacaaggagc	tgaaggagat	tggaatcaat	gcttatggac	ataggcacia	actaattaaa	300
ggagtcgaga	gacttatctc	cggacaacaa	ggtcttaacc	catatttaac	tttgaacacc	360
tctggtagtg	gaacaattct	tatagatctg	tctcctgatg	ataaagagtt	tcagtctgtg	420
gaggaagaga	tgcaaagtac	agttcgagag	cacagagatg	gaggtcatgc	aggtggaatc	480
ttcaacagat	acaatattct	caagattcag	aaggtttgta	acaagaaact	atgggaaaga	540
tacactcacc	ggagaaaaaga	agtttctgaa	gaaaaccaca	accatgccaa	tgaacgaatg	600
ctattttcatg	ggtctccttt	tgtgaatgca	attatccaca	aaggctttga	tgaaaggcat	660
gcgtacatag	gtggtatggt	tggagctggc	atttattttg	ctgaaaactc	ttccaaaagc	720

aatcaatatg	tatatggaat	tggaggaggt	actgggtgtc	cagttcacaa	agacagatct	780
tgttacattt	gccacaggca	gctgctcttt	tgccgggtaa	ccttgggaaa	gtctttcctg	840
cagttcagtg	caatgaaaat	ggcacattct	cctccaggtc	atcactcagt	cactggtagg	900
cccagtgtaa	atggcctagc	attagctgaa	tatgttattt	acagaggaga	acaggcttat	960
cctgagtatt	taattactta	ccagattatg	aggcctgaag	gtatggtcga	tggataaata	1020
gttattttta	gaaactaatt	ccactgaacc	taaaatcatc	aaagcagcca	gtggccctct	1080
acgtttttact	cctttgctga	aaaaaaatca	tcttgcccca	caggcctgtg	gccaaaagga	1140
taaaaatgtg	aaacgaagtt	taaacattct	gaccttgata	aagcctttaa	ataatgtacc	1200
agtggttttcc	taaatatttc	cctgtttttt	ccagcacttt	aacagatgcc	cattccccgg	1260
ttaaaactggg	gttgctctgta	cctaaattat	aaacagagtt	aacttggaac	cttttatatg	1320
ttatgcattg	attcctaaca	aactgtaatg	ccctcaacag	aactaatttt	actaatacaa	1380
tactgtgttc	tttaaaacac	agcattttaca	ctgaatacaa	tttcatttgt	aaaactgtaa	1440
ataagagctt	ttgtactagc	ccagtattta	tttacattgc	tttgtaatat	aaatctgttt	1500
tagaaactgca	gcggttttaca	aaatttttttc	atatgtattg	ttcatctata	cttcatctta	1560
catcgctcatg	attgagtgat	ctttacattt	gattccagag	gctatgttca	gttggttagtt	1620
gggaaagatt	gagttatcag	atttaatttg	ccgatgggag	cctttatctg	tcattagaaa	1680
tctttctcat	ttaagaactt	atgaatatgc	tgaagattta	atttgtgata	cctttgtatg	1740
tatgagacac	attccaaaga	gctctaacta	tgatagggtcc	tgattactaa	agaagcttct	1800
ttactggcct	caatttctag	ctttcatgtt	ggaaaatttt	ctgcagtcct	tctgtgaaaa	1860
ttagagcaaa	gtgctcctgt	tttttagaga	aactaaatct	tgctgttgaa	caattattgt	1920
gttcttttca	tggaacataa	gtaggatgtt	acatttccag	ggtgggaagg	gtaatcctaa	1980
atcatttccc	aatctattct	aattacctta	aatctaaagg	ggaaaaaaa	aatcacaaac	2040
aggactgggt	agttttttat	cctaagtata	ttttttcctg	ttctttttac	ttggttttat	2100
tgctgtattt	atagccaatc	tatacatcat	gggtaaactt	aaccaggaa	ctataaaatg	2160
taggttgtct	cagtcacctc	cagggcntcc	ggatggggca	agtgcagttg	aaacaggggtg	2220
cttcttgctc	ccgggggtttc	tctnccctga	tgttatggcc	cattgggaat	tngccgtcag	2280
tttgtgcacc	attggggggac	cngggcngtg	ctcagttt			2318

<210> 5226

<211> 1464

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (332)...(677)

<223> similar to gi6010482 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5226

aaccctcttc	tgttccaagc	actgtgtgag	accctgcctt	ggataagtca	aatgcatgag	60
cttaggaaag	tagagtaact	gctacaaata	ataaaaaaca	gatacatctg	cagtcaagac	120
agtcaccacc	gaagagtacc	tggtgaaccc	tgtgggcatg	aaccgctaca	gcgtggacac	180
ctccgcctcc	acctttaacc	acaggggctc	cttgcacccc	tcctcctcgc	tgtactgcaa	240
gaggcagaac	tctggagaca	gccacettgg	gggtgggtcct	gctgccaccg	ctgggtggtec	300
ccgcactagc	cccattgtctt	ctgggtggccc	ctcggcacct	gggctgaggc	ctccagcctc	360
cagccccaag	agaaacacga	cctctcttga	aggaaacaga	tgtgcctcaa	gcccttctca	420
ggatgcgcag	gatgccaggc	ggccacggag	caggaacccc	tccgcctgga	ctgtggagga	480
cgtgggtgtg	tttgtgaagg	acgccgaccc	acaggctctg	gggcctcacg	tggagctctt	540
cagaaagcac	gagattgatg	gcaacgctct	gctgttgctg	aagagtgaca	tggtcatgaa	600

gtacctgggc	ctgaagctgg	gacccgcact	gaaactctgc	taccacattg	acaaactgaa	660
gcaagccaag	ttctgacgtt	tttaaaaaga	cagaagcgaa	acccaaaaca	acagatccca	720
agattatctt	ctgccttacc	aatatccgc	caacatcaca	aaatagactc	tcctcttaaa	780
attaacagcc	acagagacgt	ggtcttttta	taaaacttgt	gaatctttgc	cttttgaaga	840
atttaacatg	gaccttttcg	agaggctcct	ctgtgttcac	aatttgccaa	aaaattacaa	900
aagcctgtga	tttttaacat	ccctgttatg	ctgatttctc	ttaaagtggg	tcctatttgc	960
ataacgagag	agtggggaac	tgaatgctta	tgcccaagga	gagttctgga	gggttcaaag	1020
gatgaaagaa	ggacctttgt	ccctgcggtc	tctgcaggga	cacccccctc	aacaccatct	1080
gcctctaact	ctgacctggg	gacctatccc	tgtgagcctt	gtttgcctca	gctctggaag	1140
ctgactttctg	aagatgactg	cctcaccttg	cactgtctgg	aaaacttgaa	ttattttacg	1200
ccgtgaaaga	aaaaggaaaa	aaaaaaaaat	cttttctgtt	cctaaaaaat	ctgaagaact	1260
gggtttctcc	gctagagggc	aaactgctaa	tgaaatttca	ggaccctcac	tgactgcagt	1320
agcaggattg	ttcagtactg	agtggatggg	ttaggggtgc	tgtgaacaaa	atctacccca	1380
cacagaaaca	ggggatttat	tccacagtta	gcaccacaga	ttgcgacttg	ggaagaaacc	1440
atcagctaga	gggttctagt	tcgt				1464

<210> 5227

<211> 1306

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1164)...(722)

<223> similar to gi4468812 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5227

tttttttttt	ttccaatgcc	aaaaactggt	gatttataga	aattcacccct	ggttttatfff	60
tttcaacca	aggaaaaaaa	aaacatgggt	caataattca	gcatttgga	ctctggcaag	120
tactgtctgc	attgttcaaa	ataagtgttc	ctggctgtga	cgctctgcaa	ccacatactg	180
atcgcgccca	ggaaccttct	tccatgggtc	taataaaaca	aaggaccac	acatggagcg	240
ttacgtgagt	caacaaaaga	tgctctatca	caatgggtgcg	taaaaagcaa	gtctttgaaa	300
aatatccaga	tctctaaagc	gaatacaac	actcctattt	gggttttgtt	ttgttcatc	360
ttcagtattt	atatttttagt	tgttgaggaa	aatttttttt	actgtaagga	aggagttata	420
tggactttat	aaagtgggaa	ccaacaggct	gccggcta	acatacgctt	tcctccaag	480
tcaagtagct	ttttccccc	gaaagcctct	ttcatgattt	tcattatggg	tcagaaaagt	540
aaagaaaatg	atttcaagta	ttcaattcct	ataaaaattg	gtatcaaaag	taatagagga	600
cctaatttct	ttataattcc	atgttttaaa	aaataactta	agaagcaaga	gggccggccc	660
tttacttgta	taaatacagc	agcagaacta	gagtttctta	agacaacgtg	gagaagagtc	720
tgtgtttagc	acctcaatca	tcgatcttaa	cgttggaac	gtttctgaaa	ctgatggaag	780
agtcttataa	gaagggtgaa	tacttttcaa	gttcatccag	cttttggcga	ctttgctaaa	840
ggcctctgaa	ccaggggctg	tcatagcttc	aaagtgcact	aacttcctct	tgggaatttt	900
tcctgctact	tcttttccac	ttgccatcag	tgctcccacg	atgaccgagt	aagcaattac	960
actggatcct	cgagagagtg	gcattaaatt	ataaaagtaa	taaactaagg	ataagattaa	1020
gttgagaca	gcacagcct	ccccaaattc	tgatgaaaga	atcaatactt	ttccttttgc	1080
tgtcaaatct	ttataaagtg	catctatttc	agcatgat	aattgtgtcc	tttcttccgt	1140
ggtttgagtt	tccacagaaa	ataatatatt	gccaaacttg	tctcctgtaa	tcgtgattgt	1200
gaatccatca	tattccttcc	cttgggtctt	aaggctggga	acttttgtgt	tcacggtgaa	1260
cccatccttc	gttttagtat	taaactgctt	cataatcgga	agaagg		1306



<210> 5228  
 <211> 4260  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2458)  
 <223> similar to gi4240241 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5228

gccggcttca	atcacgggtt	caactgcgca	gaatctacca	acttcgccac	cctgcggtgg	60
attgactacg	gcaaagtggc	cactcagtcg	acgtgccgga	aggacatggt	caagatctcc	120
atggacgtgt	tcgtgcgcat	cctgcagccc	gagcgctacg	agctgtggaa	gcagggcaag	180
gacctcacgg	tgctggacca	cacgcggccc	acggcgctca	ccagccccga	gctgagctcc	240
tggagtgcgt	cccgggcctc	gctgaaggcc	aagctcctcc	gcaggtctca	ccggaacg	300
agccagccca	agaagccgaa	gcccgaagac	cccaagttcc	ctggggaggg	tacggctggg	360
gcagcgctcc	tagaggaggc	tgggggcagc	gtgaaggagg	aggctgggccc	ggaggttgac	420
cccgaggagg	aggaggagga	gccgcagcca	ctgccacacg	gccgggaggc	cgagggcgca	480
gaagaggacg	ggaggggcaa	gctgcggcca	accaaggcca	agagcgagcg	gaagaagaag	540
agcttcggcc	tgctgcccc	acagctgccg	ccccgcctg	ctcaactccc	ctcagaggag	600
gcgctgtggc	tgccatcccc	actggagccc	ccggtgctgg	gcccaggccc	tgcagccatg	660
gaggagagcc	ccctgccggc	accccttaat	gtcgtgcccc	ctgaggtgcc	cagtgaggag	720
ctagaggcca	agcctcggcc	catcatcccc	atgctgtacg	tggtgcccg	gccgggcaag	780
gcagccttca	accaggagca	cgtgtcctgc	cagcaggcct	ttgagcactt	tgcccagaag	840
ggtccgacct	ggaaggaacc	agtttcccc	atggagctga	cggggccaga	ggacggtgca	900
gccagcagtg	gggcaggtcg	catggagacc	aaagcccggg	ccggagaggg	gcaggcaccg	960
tccacatttt	ccaaattgaa	gatggagatc	aagaagagcc	ggcgccatcc	cctgggcccgg	1020
ccgcccaccc	ggtccccact	gtcgggtggtg	aagcaggagg	cctcaagtga	cgaggaggca	1080
tcccctttct	ccggggagga	agatgtgagt	gaccgcgacg	ccttgaggcc	gctgtgtct	1140
ctgcagtgga	agaacagggc	ggccagcttc	caggccgaga	ggaagtcaa	cgcagcggct	1200
gcgcgcacgg	agccctactg	cgccatctgc	acgctcttct	accctactg	ccaggcccta	1260
cagactgaga	aggaggcacc	catagcctcc	ctcggagagg	gctgcccggc	cacattacc	1320
tccaaaagcc	gtcagaagac	ccgaccgctc	atccctgaga	tgtgcttcac	ctctggcggt	1380
gagaacacgg	agccgctgcc	tgccaaactcc	tacatcggcg	acgacgggac	cagccccctg	1440
atcgctgcg	gcaagtgctg	cctgcaggtc	catgccagtt	gctatggcat	ccgtcccag	1500
ctggtcaatg	aaggctggac	gtgttcccgg	tgcgcggccc	acgcctggac	tgcggagtgc	1560
tgctgtgca	acctgcgagg	aggtgcgctg	cagatgacca	ccgataggag	gtggatccac	1620
gtgatctgtg	ccatcgcagt	ccccgaggcg	cgcttcctga	acgtgattga	gcgccaccct	1680
gtggacatca	gcgccatccc	cgagcagcgg	tggaagctga	aatgcgtgta	ctgccggaag	1740
cggatgaaga	aggtgtcagg	tgctgtatc	cagtgtcct	acgagcactg	ctccacgtcc	1800
ttccacgtga	cctgcgcca	cgccgcaggc	gtgctcatgg	agccggacga	ctggccctat	1860
gtggtctcca	tcacctgcct	caagcacaag	tcgggggggtc	acgctgtcca	actcctgagg	1920
gccgtgtccc	taggccagg	ggtcatcacc	aagaaccgca	acgggctgta	ctaccgctgt	1980
cgcgtcatcg	gtgccgcctc	gcagacctgc	tacgaagtga	acttcgacga	tggctcctac	2040
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tccgaggggg	agctgggtga	gctccggtgg	actgacggca	acctctacaa	ggccaagtgc	2160
atctcctccg	tcaccagcca	catctaccag	gtggagtttg	aggacgggtc	ccagctgacg	2220

gtgaagcgtg	gggacatctt	caccttggag	gaggagctgc	ccaagagggt	ccgctctcgg	2280
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gctgaggcag	gagtttggtg	ccagcctggg	ctatatagca	agaccccatc	actacaaatt	3840
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tgcactccag	cctgggcaac	agagcgagac	cctgtctcca	aaaaaaaaaa	aaagccaggg	4020
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aggggggtccc	ccaggaccaa	cccttttttt	ttttttgggg	gggggggggg	gggcctgccg	4140
tacaaggagc	tggccaggat	aaggcaggag	gatcacataa	aataaggggg	tcgaggttta	4200
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<210> 5229

<211> 1211

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3) ... (1085)

<223> similar to gi402647 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5229

aggaatgggt	ccctgccaac	accgagcccc	tggagcgctg	tggcttcacc	gtcaagaatc	60
tcccagaccg	agccagaatc	ctcttcagg	tagttgggg	caacatcgcg	gggcgcagcg	120
agccggccac	cctggcccag	ccggtcacca	tcaggagagat	tgcggagcca	cccaagatcc	180

ggcttccccg	ccatctccgc	cagacctaca	tccgcaaagt	ggcgagcag	ctcaaccttg	240
tcgtccctt	ccagggaaag	ccccggcccc	aggtggtgtg	gaccaagggc	ggggccccgc	300
tggacacctc	ccgctgcac	gtgcggacca	gcgacttcga	caccgtgttc	ttcgtgcgcc	360
aggcgccccg	ctccgactcc	ggggagtacg	agctgagcgt	gcagatcgag	aacatgaagg	420
acaccgccac	catccgcac	cgcgttggtg	aaaaggctgg	gccccccata	aacgtgatgg	480
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aatactattt	ccgagttttac	accgagaaca	tctgtgggct	cagtgaactca	cctgggtgtct	720
ccaagaacac	ggccccgcac	ctcaagacag	gaatcacctt	caaaccgttc	gagtataagg	780
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ctgggtactc	ggcagccctc	aactgtgctg	tcagaggcca	cccgaagccg	aagggtgtct	900
ggatgaagaa	caagatggaa	atccgtgaag	atcccaagtt	cctgataacc	aattaccaag	960
gagtcctgac	gctgaacatc	cgtcgcacct	cgccttcga	cgtgaggact	tacacctgcc	1020
gggccgtcaa	cgagctgggc	gaggcgctgg	ctgagtgcga	gctggaggtc	cgagtgccgc	1080
agtgagacct	gtccctacc	tgccaagaca	attggtggtg	gagtcctgac	cccaatcccc	1140
aacctccag	gactgtgttc	tttctggagt	tttcgctgag	aacaaaacag	tgttgtctgg	1200
aaaaaaaaa	a					1211

<210> 5230

<211> 2018

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(527)

<223> similar to gil842216 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5230

gaacgctcaa	gtcgaccatc	cgtatcaagc	acagcgggaa	tgacttcaag	tgtcctcatt	60
gcgccttct	gggtgacagc	aaagccaccc	tccggaagca	cagccgcgtg	caccagtcgg	120
agcatcgtga	gaagtgtctg	gaatgcagct	actcctgtct	cagcaaggcc	gccttgccga	180
tccacgagcg	tatccactgc	accgtccgcc	ctttcaagtg	caactactgc	agcttcgact	240
ccaaacagcc	cagcaacctg	agcaagcaca	tgaagaagtt	ccacggggac	atggttaaga	300
ctgaggctct	agagaggaag	gacaccggca	ggcagagcag	ccggcagggtg	gccaagctgg	360
atgccaaagaa	gagtttccac	tgcgatatat	gcgatgcctc	cttcattgcg	gaggactcgc	420
tccgcagcca	caagagacag	cacagtgagt	acaatgagag	taagaactcg	gacgtgaccg	480
ttctccagtt	tcagatcgac	cccagcaagc	agcccgccac	gcccctcact	gtgggacacc	540
tccaggtgcc	cctccagccc	agccaagtgc	cccagttcag	cgagggaaga	gtcaaaatca	600
tcgttgggca	tcaggtgccc	caggcgaaca	ccatcgcca	ggctgccgcc	gctgcagtga	660
acatcgctcc	gcctgccttg	gtggcccaga	acccagagga	actcccagg	aacagccggc	720
tgagatcct	gcgccaggtc	agtctgatcg	ccccccctca	gtcctcgcgg	tgtccgagcg	780
aggcgggcgc	aatgaccacg	ccggctgtcc	tgtgaccac	ccacgagcag	acggacggag	840
ccactctgca	ccagactctc	atccccacgg	cctcagggtg	ccccaggaa	ggctctggca	900
atcaaaactt	cattaccagt	tcgggtatta	cttgactga	ctttgaaggc	ctaaacgcct	960
tgattcagga	ggggacagca	gaagtgcag	tggtgagcga	tggaggccag	aacatcgag	1020
tggccaccac	agcgccaccg	gtcttctcct	cctcttccca	gcaagaacta	cccaagcaga	1080
cctactccat	cattcaaggg	gcagcccatc	cagctttgct	ctgtcccgc	gactccattc	1140

cagattagt	cttaaaaaa	caaaaggagt	gggggaaagg	aattgagaaa	aagaaatctt	1200
aagtagaatt	ctctaaaagg	tttgccttta	atgttttctt	tgttttgttt	tgtttttgag	1260
acggagtcct	gctctgtttc	ccaggctgga	gtgcagtgcc	gctatcttgg	ctcactgcaa	1320
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aggtgtgagc	caccatgcct	ggcctgtggt	tgtctttaat	gtttttaagg	atgggtgtga	1560
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tgtaacaact	ttgagaccac	ctctgaatcg	tgcattata	actgtttag	aatcttaaat	1680
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gtgtagtaaa	tggtacttcc	cagcctctct	tttgcccat	tctggaatac	tccccagagt	1860
ttgggggtgt	tcatgtttta	tacatgtaag	tctgttgcca	tgaaggacca	ttttctacat	1920
aatatgacat	ggatacttga	ccccaaaaaa	aatgtttagt	gctaattgagc	agaaaatgaa	1980
tggttccata	ataaattgat	atctgattaa	aaaaaaaa			2018

<210> 5231

<211> 2159

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (14)...(1177)

<223> similar to gil63538 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5231

aaccacgcgt	ccgctcacct	ccaagattct	cttcgggat	ttggctcctg	ccgtgcgcga	60
ccatgccttc	acgggggtccc	cttaccctgt	catcggatec	ctggagaacc	actgcgggct	120
ggagcagcag	gctgccatgg	cccgccacct	ctgcaccatc	ctgggggaca	tgctggtgac	180
acaggcgctg	gactcccaa	atcccagga	gctgccatcc	ccagagcagc	tgaagggccg	240
ggtcctggtg	aagggaaga	agctgccgc	tgtcggagc	gaggatggcc	gggctctgtc	300
ggatcgggag	gaggaggagg	aggatgacga	ggaggaagaa	gaggaggtgg	aggctgcagc	360
gcagaggcgg	ctggccaagc	agatctcccc	ggagctgtcg	gccctggctg	tgtactgcca	420
cgccaccgcg	ctgcggaacc	tgcacctgc	ccccaacgcc	ccaacaacct	gccaggtcag	480
ctccctcagc	gagcgcaaag	ccaagaaact	cattcgggag	gcagggaaca	gctttgtcag	540
gcacaatgcc	cgccagctga	cccgcgtgta	cccgtgggg	ctgcggatga	actcagccaa	600
ctacagtccc	caggagatgt	ggaactcggg	ctgtcagctg	gtggccttga	acttccagac	660
gccaggctac	gagatggacc	tcaatgccgg	gcgcttctta	gtcaatgggc	agtgtggcta	720
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tgccgagaag	ccacactcca	ttgtggaccc	cctggtgcgc	attgagatcc	atgggggtgcc	900
cgcagactgt	gcccggcagg	agactgacta	cgtgctcaac	aatggcttca	acccccgctg	960
ggggcagacc	ctgcagttcc	agctgcgggc	tccggagctg	gcaactgtcc	ggtttgtggt	1020
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cagcctaaag	caagggtacc	gccacataca	cctgctttcc	aaggacgggg	cctcactgtc	1140
accagccaag	ctcttcatcc	aaatccgcac	ccagcgtccc	tgagggccca	cctcactcgc	1200
cttgggggttc	tgcgagtgcc	agtccacatc	ccctgcagag	ccctctctct	ctctggagtc	1260
aggtggtggg	agtaccagcc	ccccagccca	cccacttggc	ccactcagcc	cattcaccag	1320

gcgctggtct	cacctgggtg	ctgagggctg	cctgggcccc	tcctgaagaa	cagaaagggtg	1380
ttcatgtgac	ttcagtgagc	tccaaccctg	gggccctgag	atggccccag	ctcctcttgt	1440
cctcagccca	cccctcattg	tgacttatga	ggagcaagcc	tggtgctgcc	aggagacttg	1500
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gccactgcct	ggcctggccg	taggtttgta	actgtttcat	agaagagccc	tggagaagac	2100
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<210> 5232

<211> 1148

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (478)...(594)

<223> similar to gi4102711 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5232

agtcatgcga	tgaccatgat	tacgtctagc	ctggccgcag	gcctagcacg	cacctattgc	60
tgacaccctg	agtttaattt	tgttacccgc	cggtgcggcac	acgtgggata	aaagctgaag	120
gaggactgta	acaacactga	caacaaagaa	cggaagtcct	tccagaagga	gcttgggatg	180
gccctactga	agatggactg	ccagggcctg	gtggtcagac	tcatccagga	ctttgtgctc	240
ctgaccacgg	ctgtagaggt	ggcccagcgc	tggcgggagc	tggctgagaa	gctggccaag	300
gtctccaagc	agcagatgga	cgctacagag	tctccccacc	gggacaggaa	cggggttgtg	360
gacagcgagg	ccatgtggaa	gcctgcgtat	gacttcttac	tcacctggag	ccatcagatc	420
ggggacagct	accgggatgt	catccaggag	ctgcacctgg	gcctggacaa	gatgaaaaac	480
cccatcacca	agcgtggaa	gcacctcact	gggactctga	tcttggtgaa	ctccctggac	540
gttctgagag	cagccgcctt	cagccctgcg	gaccaggacg	acttcgtgat	ttgaatgggt	600
cccctcccct	cctgctgctc	tggagtgcaa	gccctcttct	gccctgcgtg	ccctgctgtc	660
accgcggagc	tgaagaggga	ggaaggggcg	gctgctcaga	cagatttagg	gcccgccagc	720
taggctacac	ccatcatgcg	ccgccctcct	ccatcgaggg	agaggcctga	agggactgcc	780
tactgcagct	cgttgccaat	cacatagctt	tctatttggt	aagtataaat	ttaaatttaa	840
aatcactttt	ttaacgaatg	gggggaaggg	atctatgaga	aagggtggtat	ctaatttttt	900
tatggaccat	aaagggtttaa	aagaaaatag	gggcacaggg	tggtgaggtt	tttatgttgt	960
tatagacctt	tttaaattat	gttagagatg	tatataggta	tttaaagggtc	actgggagca	1020
tttctgattc	ccgggccaca	cttttgcat	tcaacactca	agccccggaa	aagatgctcg	1080
ttcggatgtt	gtacctcttt	cactccctgc	gagtagcact	gtgaatgacg	tattaaaaag	1140
tggtctttt						1148

<210> 5233  
 <211> 3675  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (3676)...(2035)  
 <223> similar to gi4101480 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5233

ccatcatgga	gcacctgagg	gaattcctgt	taacaggccg	tgaggacctt	cagcctgtgc	60
agatccagag	cctggagaca	ctgggggtgc	tggcaccagc	agtgggggag	cccatgaggc	120
cgctggctga	ggaatgctgc	cagctgggtc	tgggcctctg	cgaccaggta	gacgacgtg	180
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gcattgtgcc	tcagtatgac	gggagcagct	ccttccttct	gtttgacgat	gagagtgatg	360
gggaagaaga	ggaggagctc	atggatgagg	atgtggaaga	agaggatgac	tcagagatct	420
cagggtagag	cgtggagaat	gccttcctcg	atgagaagga	agacacctgt	gctgcccgtg	480
gggagatctc	tgtgaacacc	agtgtggcct	tccttcata	catggaaagt	gtctttgaag	540
aagtatttaa	actgctggag	tgcctcacc	tgaatgtgcg	gaaggcagcc	catgaggctc	600
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ccctggcagc	cgcggtctgg	ggagactcct	ttgccccatt	ctttgcccgt	ttcctgccat	1020
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cctctcagcc	cagttcagtt	ctgccttacc	aaagattctg	agactcatac	ccatttgagg	1800
ccagccccac	ttgctgcctt	acagggctgt	ccctgaggct	ggatctgtta	caaataagtc	1860
atgacatcat	actgtaataa	aagcagcttg	ttttctgctt	gaacaatagc	tctgagagca	1920
agaaggctgg	aaatgcacat	tcagaaatga	ggtaagcagg	acccagttag	gcacgacgtg	1980
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ctgttgctgc	gagagcacca	ggagcaggta	gaagaccgag	gcagccatcc	tgcgggggct	2160
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tctgggatcc	acagacatca	tcccaaaaaa	gggatctgga	gcattctcta	gggtctccat	3300
catggccagg	tggttaggaa	gcagcaggct	gggtagctca	gtctccatat	ctattcgcat	3360
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gccgcgagtc	gccgccagcc	agatggtggc	aaagcagccg	gtgtggcgct	gaagcacggt	3660
gggatagtag	aacat					3675

<210> 5234

<211> 1747

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(416)

<223> similar to gi2739105 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5234

gcgaccgcca	actggacggc	gggcttcagc	cgtggggccca	cgccgcccgc	gcttgtgggc	60
atccggcccc	catggccggg	cgcgggcgcg	cgcgcctcc	tcgtgctgga	agaattcaag	120
acggagaaga	ggctgtgcga	gatgttctac	gccgtcacgc	tgctcttcc	gctcctctgg	180
gggcctacg	tcgtggccag	ctacctgcgg	gtcctggtgc	ggcccgccgc	cgtccccag	240
gcctacctga	cggcctccgt	gtggctgacc	ttcgcgagg	ccggcatcaa	ccccgtcgtg	300
tgcttctct	tcaacaggga	gctgagggac	tgcttcaggg	cccagttccc	ctgctgccag	360
agcccccgga	ccaccaggc	gacccatccc	tgcgacctga	aaggcattgg	tttatgaggg	420
agggcccgcc	acatagaccc	ccaaccagc	ctttcccttt	ggctcggaag	gtgacgttgt	480
atcttttct	tctggccct	gtttaatttt	ctaagctgcc	ttcaaatga	ctcgaagtgg	540
acagacactt	ggattgtact	gactcctttg	gggggggggt	gggtgaggag	taagatgctc	600
agccactcc	agctccgcac	attcgctctc	ctaactcgac	tttcttctg	acaataggcc	660
ctgcagtctt	ttttagcgg	tactgacgtc	ttttattcca	tgtgtgggtc	cttttttct	720
ttttctataa	aggctgtact	aattttcttc	atgcaacggt	tcctaaagac	catggccagt	780
tttctacaga	agctattttt	tgacaacctc	aagtgggcat	tacattttgc	agtgaagtag	840
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ggagaaagtg	gggggtgggg	gaagttgtcc	gaaatgcct	ctgaattgcc	ggctgcaggg	960
tccttgtgct	gcgctgggtc	tttgaaagtc	tcagtgttga	tattgaactt	aaagagcaga	1020
gatggagatc	agtagcaagg	cagtcatttt	tttaaagcag	taagtaacaa	gtaagatttg	1080
gttccccggt	tactttctgc	tgctaaaaaac	cacgtcagtg	acaactgctc	tctgtattat	1140
agcaatcttg	aattggaaaca	tttctgtcaa	gttgtaagtt	ttaaaagagt	aaagtgtttt	1200
ggtttagtaat	gatgtggaga	aaaatacagt	attgcatgtg	ttcgtgtgta	tagattgtgg	1260
ttcgaggatt	gggagggctc	tgagaagcag	agtactacat	caaaattggt	ttaagtattt	1320
tttgccaata	aaaaattaat	tttatggaaa	tggttgtgct	tttgagaagc	ccagttttat	1380
tctgtcttat	gaaactaatt	tccactttga	aaattgttct	tctgttgttt	atggtataaa	1440
tgaatggaat	ataatgatat	cctccttcta	ggaaacaaag	catttcctta	aaatgtttgc	1500
taggttaagc	tgtgctgttc	tactgatggt	tgttttaaat	taataatgag	aactataatt	1560
taaataatat	ttctttgtta	gacattataa	tgttaaactg	aaagactaaa	ttctgcaagt	1620
actatataat	atttttggct	tataatgcta	catttttatt	aatgtacctt	ccgttttgag	1680
gatttatatc	tgtatttctc	tttgcattat	acaaatatac	cagtattttc	attctggaaa	1740
aaaaaaa						1747

<210> 5235

<211> 856

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(201)

<223> similar to gi913894 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5235

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catggaaagg	gaagacaaag	tgcatctcaa	acttgagaga	ggcaacctca	tggggggctg	180
gaaatactcc	acattctcgg	gcttcttggt	gtttcctcta	taaacacaga	gccccctaga	240
tggtggggga	atggcaaact	ggaccagga	ctccgccctt	taaaacaccc	tgaacttact	300
ggaattggac	acctgttttc	caacctccgt	cagactgttg	cagtagaaga	atgatttcct	360
ttgaaacctc	cagtactttt	gtttttgttt	tttgaatac	tgacaattcc	tcgggaacct	420
ggcctctaata	tagttttaga	tgacaaggct	ttaaggagaa	atgaaattat	cgatttgagc	480
aattttgtacc	tgtgattgta	aagtcaatat	cggattttat	tgttgggacc	atggacctct	540
tttgtttgta	tgttgatttg	tcgtcccaac	ggaaggagag	ctcctgactc	caggatgggc	600
tgcaagttgc	agtcagggtc	tgaagtagga	gcccagcaaa	gaaccacctg	ctggacagtc	660
ctttgacatg	tgttctgtgt	gtgtctgtat	agccttaaga	aaaagaatgg	cttcaactttc	720
attctgtatt	cttcccccca	ccatgtggct	gggaggactt	gggaggggga	tggggacatt	780
ggggaacctg	ttcaagaagt	gctttattcc	agaggaagca	aatttttgca	cgattgggac	840
tgcaattttt	gttttt					856

<210> 5236

<211> 4451



<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4452)...(148)

<223> similar to gi4589474 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5236

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tggcagtggg	gcgcagtgcc	gggggctcag	acataatact	ccttgtcttt	gttcttcttg	180
gccttgctgg	gctgtctggg	ggcagccggg	gccttctctt	tcaccaccgc	cccattgctc	240
tgggcccagt	tactgatgta	gtttcggtct	tgggtccacct	ggtaggagcc	ctcatcacga	300
ttgcggtact	tatacatggc	gtagaggagg	atgaggatgc	agagcgccgc	cgccgccaca	360
atgcccacca	ccatgcccgt	ggtgctgctg	gactcccggg	tcacctccac	tgcgcccggc	420
gggccccgct	ccccaggccc	tgtggggttg	gctgtgggca	gatgggggaa	gccgggggct	480
gaggtcacgc	cggggagcag	gggagggggc	ctccgcggct	caaaggacgt	gggggccccg	540
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gccggcaggt	tgggggcccg	ggcggagggg	gcaaacagca	ccccaggggc	gcccgtggcc	660
ccatctgtcc	tgaggttggg	ccggggagcg	ggtttgccgg	gtgacaggag	ggtggtgcgg	720
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gtgtcttggg	tggcgccccc	tcccgtgagg	aaggggtaga	aggtaggggg	cgggggcagc	960
aagggggatc	gggtggccac	gggagggggg	tctaaggagt	cctccgtgat	aatgggcaat	1020
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gctcctcctc	t					4451

<210> 5237

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1198)...(295)

<223> similar to gi1041396 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5237

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ccagtctgtg	tcctcattta	cacaatgaag	gcgatggacc	acatagtctc	tgacgtccca	180
ctgcacccctg	acagctgaca	aatctgtttg	tcctcaaaga	caggctctgag	agggaggaaa	240
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cttttggtgc	ctctgagtc	ctgcctcccc	ttctgatggg	gtcctggctg	tgaggctatc	420
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caccaggccc	tgcagctcca	tgtagacttg	agccgtgtca	ctgagtggag	cctgggccc	540
gccggaggga	gctgctgtgc	ctgggggtaa	caggcccaca	gccccacagt	agcccagggt	600
gccaggggc	tccaagaagg	cctcgaagag	gccctggtcc	ccaggctctg	agctctgcag	660
cagcactcgg	ggccgggctt	tggtagctg	gtacgtggct	tggagagccc	ttagcacctg	720
cacgacctct	tggaccggg	agaagcgccg	ctccagctct	ggctggcgcc	agtgtccaa	780
gctgcaggcg	ctggggtagg	gggcaaccga	gatgctggg	gcagggggc	aaccaggcct	840
ggggggcagc	ctctgccaga	gctcttcagc	cagggaaggg	atcagtggg	ccaggaggcg	900
gaggccgagg	tcagcgcagg	agaacaggac	ctgagggggc	cccagggggc	ggggcgagt	960
ccacagcacg	ggcttcacag	cctccaggta	gacgtcacag	aggttgtgaa	gccagaagt	1020
gtgcagggca	tgagtgcaga	gcgagagctc	tcgggtgagg	aagccccgct	cacactcctg	1080
ggcagccagg	gcaaggcggc	tcaggatcca	ggcatccatc	ggggaggagg	gagacagctc	1140
ctcagcagac	tgtggcacia	atttctcccc	taaagcattg	aggataaagc	gaagagccct	1200
cgtgccaaagc	ttggcgtaag	catgaacagc				1230

<210> 5238

<211> 2222

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1985)...(1512)

<223> similar to gi603953 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5238

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tatttttatt	tgtttttttt	tttttaaaaa	tatgtttatc	tttaatgatc	caagattctg	180
caagtcacgc	tgatataccc	agaattgggt	ggaaatacag	catctcagca	gtgctactgc	240
cagcctgggg	gtggggagct	ggatgctggc	tgaaggaccc	ccatggtgaa	gtcgattcca	300
acctcacggg	agcctcagtg	ccctatctcc	atggaaacca	gcctggcact	gggatggggc	360
cctaggggagc	ctgcatgaac	atctctgaga	ggtatttccc	attaaaaaca	accacagggt	420
cccccccca	ccccaaagcta	ctgccagct	ccccctctc	tctgtgttgt	cggccaagat	480
aaaggaaatg	ggagtgaaca	cttaacgaca	aacaaaagca	gattgtacct	cctattagg	540
aagaaaaagg	aagggaagg	gtagtaagg	agctgcactt	caagctcaga	attctgccaa	600
gaccctagag	cggctatggc	agacagcggt	gcatgactgc	cagagggcag	cgctacccaa	660
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cctaggatgg	ctctacaact	ccatactcag	tacgaaaaga	gggctcccag	gatctcaatg	840
tggtatcagg	gatgagagtt	tgcccaaact	ccctccttcc	cacctgctg	gactgtcaga	900
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tgtcctccat	cagtcacag	tgccctaggc	actgacctca	tacctgcctc	aggagcagct	1260
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ctcatgccag	gtgcaatgct	ccccagtccc	ttttcaagag	ggggaagaag	ccagcactgt	1440
gggccccagg	tggccccatc	tcaggaatga	cagggcattc	tgcaggggtg	gcacattctg	1500
aggctcttag	gccctgtgca	tctggatgaa	ggagaggacg	tcctccttgg	acagcttgct	1560
ctggctcctg	ggcttctggg	agtcatgcac	acgaatgcca	tccccccact	cccagaagag	1620
ccggccatag	tagcaaagt	gaaatggggc	aatggagtct	gcagggaggt	caaaagtaga	1680
gtccttggtt	ttcttggtgt	agaagaactt	cttcttgaag	cttttgctga	atcccatagt	1740
ccagggctca	ttcactgtcc	tgacgatgta	gaggcccatg	ggtacaaagt	gccggtcatc	1800
acgccctgtg	tagctgagct	ttgggggtgcc	actggagccc	ttgatgatct	tcctctccaa	1860
cctgacaaaa	atcttctcca	tctcttccag	tctgtacacc	tccttcaccc	tgatgggatt	1920
catgtcgggc	cgactaggct	tggaaacggc	tttcacaaat	ttctcggcaa	gctgaattct	1980
acaatccaaa	cagtctctct	gagaggcaag	ccaaggatgc	ctccaccagc	accctaccc	2040
ccagggcatt	ttcacagctc	cagtaggaga	accttctgaa	tctgcggcaa	gactgctcta	2100
agaggcagca	cccatgtccc	ccaggaagcc	cgccctgccc	ttctccaccg	acgtctttat	2160
tcctgcgctt	cgtgcccaagt	tgggcgtaat	cgtgttctac	tgtatcaatc	gcaccccccc	2220
cg						2222

<210> 5239

<211> 2842

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2844)...(911)

<223> similar to gill163174 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5239

caagggcttt	caggtcttca	ttcttttggg	gaacgcctta	gaccatgagg	gtatgggaag	60
tctcatggca	ccaggagagc	cacctccagg	gtgaggggat	gtcagacagg	aggggctcag	120
gagggcgccc	tccaggctga	ggggatgtca	gacaggaggg	gaccaggagg	gcgccctcca	180
ggctgagggg	atgtcagata	cgaggggacc	aggagggcgc	cctccaggct	gaggggatgt	240
cagacaggag	gggatcagga	gggcgccttc	caggtctgag	ggatgtcaga	catgagggga	300
tcaggagggc	accctctagg	ctgaggggat	gtcagacatg	aggggatcag	gagggcaccc	360
tctaggctga	ggggatgtca	gacaggaggg	gaccaggagg	gcgccctcca	ggctgagcgg	420
agacttttac	tctgtgattg	acaacagttc	ctgggcaatc	ctagatcagt	agtcagaaaa	480
ccttaactgg	aaaagagaat	gcatggcggt	ttcattttct	tgaggaagcc	gagaaaacttt	540
aattaggtga	cggggttccg	agcacttaag	cagatggggg	gcggtgaagg	cccagggagg	600
aggagggcag	ggaggtgcac	gtcctctgtg	ccccacacac	tttcaaccac	tgcaacaaac	660
aagcacccaa	gagaggctgt	gcggcagagc	cctgcaccca	caggcctttg	acagcacagt	720
gaggggcctc	cgcacgtggc	ctcgggacgc	tactcgacg	cacacccggt	gcatcacact	780
ggcacctaaa	gacaggccgt	gcagctaaaa	ggagcacgtg	tggccaagga	gagcaatcag	840
ctgtcccgcg	tttctaaagg	cagggaccga	ggctgtggag	gggcgagcag	ggcaggccgg	900
cggaggctac	ttgagcagct	tggccacgtt	caggctgggc	accacaatgt	ccttgaagag	960
gggcacgtag	ctggggctgg	cctgtgctgg	gccctgctcc	agggctctcca	tgatggtctg	1020
cttcatgtca	cggctggcgt	ccccacgcac	agccagcagc	gcaccgatgt	ggtcatccct	1080
gatgtctgga	tacttgctga	ccagagtggg	gacctccagg	tagagcagag	aagggctctgt	1140
cagcttgatc	acttcggcca	cagccacgat	ggtgtcgcag	tatccgtcca	cgtcttcccc	1200
gaaaccggac	gccagcttcc	ggaacaggaa	gcgcagctgc	tctgcctccc	taaccatctt	1260

ctcggcacc	tccttgcgct	cctccgggct	ccggaaggaa	atgcgcttct	gcatgaccgc	1320
ccgcaggtag	tccaccacca	cgcgcgggtg	cgcctcggcc	gtcatcctct	tcttatacgg	1380
ctttttaatt	ttggcaaaat	cgttgaaata	gtcttcacg	gtgacacaga	taatgtctac	1440
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caggaagacc	tcctccagca	aaccgctgca	gccctccttc	gcatggcggt	ctaaaatccc	1560
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tgttttcaaa	tcttcactta	tctgagcagc	aacttgaaga	ttctgttcaa	acatctggaa	1860
gacaatggca	gggagtgtgg	tctggtagta	cccgctctgg	tcggcttctg	gctctgtctc	1920
tttgaccag	tctttcttgt	ctgtctccag	cgttttcgcg	agccaggcga	tgatgtttga	1980
agtgagcgtg	gacatgtacg	tgtcaagcag	ctcagagacc	acgtgtggag	aaagcaatgg	2040
ctccagggtg	ccgacatcca	cttccggggc	cagctccacg	ttcctcatca	tctcagtact	2100
tgtgtagggtg	tttaagaccc	acgtcaagag	gctcacgata	tcattggctt	ccagggtcttc	2160
cgatgcgagg	tcctgcatcc	gcgtgctcag	ggcttgggtg	tacatgttca	ggagggttctt	2220
aaagatctca	tagtggggag	gaaagcactg	aaccatcagg	tttttggcga	caatgagggtc	2280
atccaggacg	tacttcctta	taatttccag	gtggcggaca	agccacatct	tgtcagactc	2340
tctggtatct	gcctgtgtgc	cctcaattct	gggtgtcaca	gtcctctcca	agatggtgaa	2400
cattttctcc	ttccaattct	tgggcctccc	aggaggaaca	aagccagttt	gctttttccg	2460
gtcaagtatg	cgctgtcaa	ttttctcttc	cctttcaatg	atcctgacaa	ctgagaccag	2520
caaggtgggg	tcacggcgga	cagtgaccag	tgacctctgc	agcaccatcc	acagctgctt	2580
agccagctca	tcagagagcc	cctgcgtgct	gccaaagtag	ccatggatga	gggtcatgtc	2640
acgcgtgttc	ccactgtcca	tgcggtactg	ctcgtacatc	agcccgtccc	gggagcattc	2700
cagggtccatc	agcttccggg	gggcttgcat	gagtgcccct	tgttcaatta	ggctcctgggt	2760
ctccctcaca	atctcaggca	ctgagaagat	gttcttgagg	ttctccacgg	ctgcgggcag	2820
ctggctgtgc	tgcaccacgg	cg				2842

<210> 5240

<211> 1299

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (47)...(542)

<223> similar to gi4006818 in the genepet database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5240

cccacgcgtg	cgatgttttg	ttgcccctcc	ctgtagcctt	ttcctggggg	gtggggcccc	60
cgcagggtgtg	attcgtcac	tgcacagcct	gggcgcctg	gagcatgcct	tctgcacaga	120
gaccgggccc	tacaaccagg	gagcccggct	gacggccttt	gagctggtct	atgagcagat	180
ccccgccacc	cttatcaccg	acagcatggt	ggctgctgcc	atggcccata	ggggcgtgtc	240
agctgtggtc	gtgggagctg	accgcgtggg	tgccaacggc	gacacagcca	acaaggtggg	300
cacctaccag	ctggccattg	tcgccaagca	ccatggcatt	cccttctacg	tggtgcccc	360
cagctcttca	tgtgacctcc	gtctggagac	cggcaaggag	atcattattg	aagagcgacc	420
gggccaggag	ctgaccgatg	ttaatggggg	ccggattgca	gcacctggga	ttggagtttg	480
gaatcctgcc	ttcgatgtca	ccccccacga	cctcatcact	ggtggcatca	tcacagaact	540
gggggtcttt	gcccctgagg	agctccggac	agccctaacc	accaccatct	cttcaggga	600

tggaacccta	gatggacccc	agatgtaacc	aactcaactc	tccctagcct	gcctctctag	660
gtttttcaat	acattttcttg	aatggctacc	caaaagctga	ccgtccagcc	cctgaccaca	720
cttgttccta	gtgcagggag	ctcagacagg	gccttccatc	tagagcccag	cacctagagc	780
caggctgccc	agattcaaat	cctgactccg	ccacttttcc	cactgtatga	tcttgggcaa	840
gtcacttcac	ctctctgtgc	cttgggttcc	tcatttataa	aatgtggata	acaggccggg	900
cgcagtggct	cgcgcctgta	atcccaaggt	gctgggacta	caggcatgag	ccactgtgcc	960
tgaccttaca	gcagtatttt	ttaaaaatca	aaattaatgc	aaaaatccat	gatgaggcca	1020
ggcttgggtg	ctcatgcctg	taattccagc	actttgggag	gatcccttga	gcccaggtgt	1080
ttgagaccag	tttgggtaac	atgggaagag	cttgtctcta	caaacaaaaa	tttaaaaaaca	1140
atgagctggg	catggaactc	acacctctag	ccccagctac	tcaggctgag	gtgggaggat	1200
ggcttgagcc	caggagtcca	aggatgcagt	gtgctttgat	tgcactactg	cgcttcaccc	1260
tgagcaacag	agtgaagacc	catctcttta	aaaaaaaaa			1299

<210> 5241

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (30)...(560)

<223> similar to gil669498 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5241

ccgggtcgac	ccacgcgtcc	gcaaatatat	gtgaggtgtg	caacaaatgg	ggacggctgt	60
tctgctgcga	cacttggtcca	agatcctttc	atgagcactg	ccacatccca	tccgtggaag	120
ctaacaagaa	cccgtggagt	tgcattctct	gcaggataaa	gactattcag	gaaagatgcc	180
cagaaagcca	atcaggatcat	caggaatctg	aagtcctgat	gaggcagatg	ctgcctgagg	240
agcagttgaa	atgtgaattc	ctcctcttga	aggtctactg	tgattcgaaa	agctgctttt	300
tcgcctcaga	accgtattat	aacagagagg	ggtctcaggg	cccacagaag	cccatgtggt	360
taaacaaagt	caagacaagt	ttgaatgagc	agatgtacac	ccgagtagaa	gggtttgtgc	420
aggacatgcy	tctcatcttt	cataaccaca	aggaatttta	cagggaagat	aaattcacca	480
gactgggaat	tcaagtacag	gacatctttg	agaagaattt	cagaaacatt	tttgcaattc	540
aggaaacaag	caagaacatt	ataatgttta	tttagccatt	cttatctcct	cccttcagat	600
cctctggcag	ctagctacgc	aatgtgcctg	tggtcccaact	aatctgtgac	tgctcctgtg	660
gaaactccac	atcacaattc	tccaaaattt	atcattgcca	ttttaaaacc	gtcttttcag	720
ctttcaat						728

<210> 5242

<211> 1922

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1827)

<223> similar to gi5630076 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5242

```
atgggaagtg tcacagttcg gtattttctgt tatgggtgcc tttttacatc tgcgacctgg      60
acagttttgc tttttgttta tttcaacttc agtgaagtga ctcagccact taagaatgtg      120
cccgctcaagg ggtctggggc ccacggacca tctccaaaaa aattctatcc ccgttttact      180
cgaggcccaa gtcgagtgct cgagccacag ttcaaagcaa acaaaattga cgatgtgata      240
gacagtcgtg ttgaagatcc agaagaaggc cacttgaaat tctcttctga attaggtatg      300
atttttaatg aacgcgatca agagttgaga gacttgggct atcagaaaca tgcttttaat      360
atgcttatca gtgaccgctt gggctaccac agagatgtgc cagacacaag gaatgcagcg      420
tgtaaagaaa agttctaccc acctgacctg ccagctgcta gtgttggtat ctgtttctat      480
aatgaagcgt tttctgcctt gcttcggaca gtgcacagtg tcatagaccg cacgccagca      540
cacctgcttc atgagatcat ccttgtggat gatgatagtg actttgatga tttgaaagga      600
gaactagatg aatatgtcca aaaatacctc cctggaaaaa ttaaagtcac aagaaataca      660
aagcgtgagg ggttgattcg agggagaatg attggcgcgg ccacgcgcac aggagaagtc      720
cttggtttcc tggacagcca ctgtgaagtg aatgtgatgt ggctgcagcc cttgctggcc      780
gccatccgtg aggaccggca caccgtgggg tgcccagtga ttgacatcat cagcgccgac      840
acgctggcct acagctcgtc ccctgtcgtc cgcggagggt tcaactgggg actgcacttc      900
aaatgggatc ttgtccccct ttctgagcta ggacgagcgg agggagccac tgcaccaata      960
aagtaccaa caatggctgg aggtttgttt gccatgaaca gacagtattt ccatgaactt     1020
ggacagtatg atagtggcat ggatatctgg ggaggagaaa atttggaaat atcatttcgg     1080
atctggatgt gtggcggtaa gctcttcac atcccttgct ctagagtagg acacattttc     1140
cgaaaaaggc gaccatatgg atctcccgaa ggccaggaca ccatgacaca caactctttg     1200
cggctggcac atgtctgggt ggatgaatac aaggagcagt atttttcctt aagacctgac     1260
ctgaagacga aaagctatgg caatatcagt gagcgtgtgg aactgagaaa gaagttgggc     1320
tgtaaatacat ttaaattgta tttggataat gtatacccag agatgcagat atctgggtcc     1380
cacgccaaac cccaacaacc catttttgtc aatagagggc caaaacgacc caaagtcctt     1440
caacgtggaa ggctctatca cctccagacc aacaaatgcc tgggtggcca gggccgcca     1500
agtcagaagg gaggtctcgt ggtgcttaag gcctgtgact acagtgacct aaatcagatc     1560
tgatctata atgaagagca tgaattgggt ttaaatagtc tcctttgtct agatatgtca     1620
gagactcgct catcagacct gccacggctc atgaaatgcc acgggtcagg aggatcccag     1680
cagtggacct ttgggaaaaa caatcggcta taccaggtgt cggttggaca gtgcctgaga     1740
gcagtggatc ccctgggtca gaagggtct gtcgccatgg cgatctgcga tggctcctct     1800
tcacagcagt ggcatttgga aggttaaggt ggatgctgtg gcgggaacgt tgcttcatca     1860
ggcgttgctt ccggtgtgga gtttggggct ttaggaaagc ctgggttggg tggagcagaa     1920
cc                                                    1922
```

<210> 5243

<211> 2234

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(398)

<223> similar to gi2352427 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5243
gctatgttcc caatttatta ggtatcatat cttatgcagg catagatctt gctgtgtatg      60
agctcttgaa gtcctattgg ctggataatt ttgcaaaaga ttctgtaaac cctggagtca    120
tggtgttgct gggatgcggg gccttatcca gcacctgtgg tcagctggcc agctacccat    180
tggttttggg gagaactcgc atgcaggctc aagccatgtt agaagggtcc ccacagctga    240
atatggttgg cctctttcga cgaattatth ccaaagaagg aataccagga ctttacagag    300
gcatcacccc aaacttcatt aaggtgctcc ctgctgtagg catcagttat gtggtttatg    360
aaaatatgaa gcaaacttta ggagtaaccc agaaatgatg ttgcattttt tgcttttagcc    420
tgataattga aactttcaac aatctctgga gtgacttttt ctctcgaat tgaaacaagt    480
ctatggcaaa agaagctgca tttttttcac aaaagggagg atggtaacaa tggtcacttc    540
aaacttttgg gctaaattat atgtacacag aaatgttcaa aatcatagtt ttaatgtgtt    600
ttgaaaaggc cacacaatta tactttatct tttcttaata atcctgcaaa tctctgccct    660
gaatccgaaa tctgaaaatg tactggcttg aacaaaattt gttttgtgtg ttagagttat    720
aaatcattaa tctttatttc ggggtggtta cgtttatgcc agttccttta tatttaaatt    780
tcttgtttta tatattttga atgtctttat agatttcttt aaatttcctt atagaacctat    840
taatagaaaa tctttacatt taaaatatac cttacagcaa aagcatccaa ataagtatag    900
ggtttatgtc cttatttttc tttcagctga atacgaatga acacagtggg ggaatttctg    960
aagggaagtg atgaaattat atttatttca gtgggcactt ttccatttta ccactgtacc   1020
attatttggg tcctggagtt atacactaat tttcagtata ttactgttaa attaccaaca   1080
caaggcaatt tatttgaaag attccgttta tcctgccatt gctttgaaaa gcagcaggaa   1140
acgaaatcct ttgacttgta tcagcttctg cagagcatct ttgttttctt ttgtcctttg   1200
tttctacctt tttgaatcag attccgtttt agtcaggagg acttcttggg accattctta   1260
gtaacctgaa atttcttttt taattgcatg aagtggattg atcatgagca aatgatgtgc   1320
ttatttctcc ctactgttg aatatctttg aacttgctgt tttcaatatg ggcagcacia   1380
aggtgagaga tacatattaa tagtagtatg tattactctt atacattaga tacctatatt   1440
taaatgaaag gcccaatttg taaacatata cattcatatt ctctcttgcc ccaagtttta   1500
ggaacatgtt aggatatagg agacttaatt tataataatg agagcatttt tttattttac   1560
taaagccatt tttatagtca actatctttt cttatttgtg tgattagaac ttagaaaaat   1620
atttactagt tgaagttatt atcagttttt aatttagttc ttaaactcat ttcacttcta   1680
ataatttctg ttataaattt ccagcatttt aatgaaaatc taatgatgta ataggcattt   1740
tctttatttg aacctacctc ttttattttc tgaaccaaag agaaagatgg actggtgttt   1800
gtgaaacatt tttaaaaatg tagtttcatt tatattagtt atgtttgata aatgtctcag   1860
tatttttata atatgataag cctgggattc tacttttagg gttatttgta cttttgagta   1920
atatataaag tgacaatatt aaggtacatg atcagctctt tctattttta ctctgtaaaaa   1980
ttatggaaat gaataatttt gctaacaact ttgaaatttc aaacttctgg aaaatatgaa   2040
aatattcatt gttcattatg aatttaaatt gtaaggatg aatgtgattt gtctgtacat   2100
cttgtatctt ttccaaaaaa tgattctgta tcttttgtaa aaaagccgag agttgaagat   2160
agtatatttc tggtagtact gaatatttac ttacagtttc tatcaaaaat atatatttgt   2220
ttctaaaaaa aaaa                                     2234

```

<210> 5244

<211> 1011

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (1012)

<223> n = a, t, c or g



<220>  
 <221> misc\_feature  
 <222> (4)...(526)  
 <223> similar to gil550785 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5244

cccggggtcga	cccacgcgtc	cgaccagcag	gcggagagggc	aggtgagggga	catgttccgg	60
gaggacgtcc	taaaatggat	ggtcacgcgtc	ttcaccagga	aggaggacct	ggccggggggc	120
tccctgcacg	attacgtgag	caacacagag	aaccgggcct	tgcgcgagct	ggtggccgag	180
tgcgggggcc	gggtctgtgc	ctttgataac	cgggccaccg	gccgagagca	ggaagcccag	240
gtggagcagc	tgctggggat	ggtcgagggc	ttggtgctgg	agcacaaggg	cgccattac	300
tccaacgagg	tgtatgagct	ggcgcagggtg	ctgcgctggg	caggccctga	ggagcggtc	360
cggcggtgg	cggagcgcgt	ggcagccagg	gtgcagagga	ggccatgggg	cgctggctg	420
tcggcccggc	tgtggaagt	gctgaagtcc	cccaggagct	ggaggctggg	cctggccctg	480
ctgctggggg	gcgcgctcct	gttctgggtg	ctgctccaca	ggcggtggtc	ggaggccgtt	540
gcggaggtcg	ggcctgactg	acagcgcagg	tcctaaaact	gaaggcaact	tggttaaggg	600
aggctgaatt	cttggagctg	aagggaaaac	ttcattccaa	cggaaaggaat	cctgtagttt	660
caggcatagt	tttaatgaca	cagaaaactt	tgctgcatca	cctttgcaac	tttgccaaag	720
ctcagagttc	actttttaag	tttttaactc	attttaaatg	atgtgtatgc	agagttttaa	780
aataaattcg	tctaacaata	acttcctttg	gtagttttgg	tagtctaata	tcaagtagct	840
tgtagtgggg	acaaacgcac	ggcacagggg	aaacaagtgc	cattattttc	gagcttttta	900
aaaaatttag	actgcccctc	cttgataatt	ttctagttct	tatacatggg	tagatagggt	960
cctttgtgat	ccttgtagac	ttttagcatc	aataaaagaa	atgtgnggt	a	1011

<210> 5245  
 <211> 1201  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1135)...(519)  
 <223> similar to gi3327094 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5245

tttttttttt	ttcattctaa	gagcagtttt	tatttagaaa	tgtgcttcca	caacttggtg	60
gccacctggg	ggcaggtagc	ccgggcttgc	ttgttctctc	tttcctagcc	caggaatcgg	120
gtccttgggt	ctaaagcaca	gggccaaagt	ctcaaggatc	aacatcccag	acagctccca	180
tggtctgggg	cttgagctg	gtatgaagg	tgaaccaggt	tccatcctgg	actgtttatg	240
gttgaggggc	ctgggcccct	ggcaccagga	cctcagctcc	ctctcctagt	aagagctggg	300
atcaccacac	ggccagctgt	ggccaggtcc	tggtggatat	gacattggga	agaacaaggg	360
gctaagagag	gctaattttc	tggtgctgga	tccagtttat	cttcctgagg	ggtggaagcc	420
ggggcaggag	cctcatcccc	accattgagg	gacttctgct	gctcattgct	ggtgggcgag	480
ggggctcctg	tgccctggga	tccccagcgg	gtcaggcgct	ttagggagga	gtcacgggtg	540
gcaagcagag	ggggctggaa	gcctgagaag	gagctgctgg	tgaccggacg	cttatctcca	600

ggctcaattg	gatgcatcag	ccggttcac	tggacattcc	agtgtttcac	gttggtgctg	660
gcctggcgca	gttttctctg	ggcagcctcc	acatcctcgt	cagccctctg	ccggttctgc	720
cgcacctcct	ccagctgctg	ctggggcctgc	tgcagggagc	ggctctgctg	tgccatctcc	780
tgctgcagct	cttccttctc	ctgctgcgcc	cgttcgatgt	agcgtcctctg	ctcctccttc	840
agctgcatca	actgcttcag	cttcctctcc	tcctcttcca	gcagtctggt	ctgagcgatt	900
cgcacagatt	cttcctctctg	ccgagctttc	acctctagtt	gcagggcctc	ctgcaaccgc	960
tgctgcatct	cctccagctc	cttgatgcgc	tgcgctgcc	gggcagcctc	ctcctccttc	1020
agctccatct	cagcctgcat	ggaggcccg	gcctgctccg	cctcgcgcag	ttggccctcg	1080
agcgcctgct	gcagctcgcg	gtgctggctg	cggcgccgtt	cctcctcctc	ctgcagcagc	1140
cgctcggcct	gccgatgcgc	ctcctcggac	gcgtgggcgg	acgcgtgggc	ggacgcgtgg	1200
g						1201

<210> 5246

<211> 1605

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1606)

<223> similar to gi6002605 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5246

atgggcatcg	tggagccggg	ttgcggagac	atgctgacgg	gcaccgagcc	gatgccgggg	60
agcgacgagg	gccgggcgcc	tggcgccgac	ccgcagcacc	gctacttcta	cccggagccg	120
ggcgcgagc	acgcggacga	gcgtcgccgg	ggcggcagcc	tggggtctcc	ctaccggggg	180
ggcgcccttg	tgcccgcccc	gccgagccgc	ttccttggag	cctacgccta	cccgcgcgca	240
ccccaggcgg	ccggttctcc	cggcgccggc	gagtccttcc	cgcgcgccgc	ggacgccgag	300
ggctaccagc	cggcgagagg	cta'cgccgc	ccggaccgcg	gcgcggggct	ctaccggggg	360
ccgcgtgagg	actacgcgct	acccgcggga	ctggagggtg	cggggaaact	gagggtcgcg	420
ctcaacaacc	acctgttgtg	gtccaagtgt	aatcagcacc	agacagagat	gatcatcacc	480
aagcagggac	ggcggtatgt	cccattcctg	tcatttactg	tggccggggct	ggagcccacc	540
agccactaca	ggatgtttgt	ggacgtgggc	ttggtggacc	agcaccactg	gcggtaccag	600
agcggcaagt	gggtgcagtg	tggaaaggcc	gagggcagca	tgccaggaaa	ccgcctgtac	660
gtccaccggg	actc'cccaa	cacaggagcg	cactggatgc	gccaggaagt	ttcatttggg	720
aaactaaagc	tcacaaacaa	caagggggcg	tccaacaatg	tgaccagatg	gattgtgctc	780
cagtcctctc	ataagtacca	gcccgggctg	catatcggtg	aggtgaacga	cggagagcca	840
gaggcagcct	gcaacgcttc	caacacgcct	atctttactt	tccaagaaac	ccagttcatt	900
gccgtgactg	cctaccagaa	tgccgagatt	actcagctga	aaattgataa	taaccctttt	960
gccaaaggat	tccgggagaa	ctttgagtcc	atgtacacat	ctgttgacac	cagcatcccc	1020
tccccgcctg	gacccaactg	tcaattcctt	gggggagatc	actactctcc	tctcctaccc	1080
aaccagtatc	ctgttcccag	ccgcttctac	cccagccttc	ctggccaggc	gaaggatgtg	1140
gttccccagg	cttactggct	gggggcccc	cgggaccaca	gctatgaggc	tgagtttoga	1200
gcagtcagca	tgaagcctgc	attcttgccc	tctgcccctg	ggcccaccat	gtcctactac	1260
cagggccagg	aggtcctggc	acctggagct	ggctggcctg	tggcacccca	gtaccctccc	1320
aagatggggc	cggccagctg	gttccgcctt	atgcggactc	tgcccatgga	acccggccct	1380
ggaggctcag	agggacgggg	accagaggac	cagggtcccc	ccttgggtgtg	gactgagatt	1440
gcccccatcc	ggcgggaatc	cagtgattca	ggactgggcg	aaggagactc	taagaggagg	1500
cgcgtgtccc	cctatccttc	cagtgggtgac	agctcctccc	ctgctggggc	cccttctcct	1560

tttgataagg aagctgaagg acagttttat aactattttc ccaac

1605

<210> 5247

<211> 662

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (436)...(323)

<223> similar to gi34388 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5247

atTTTTTTTT	tgtgtttttc	ttcattctaa	tttcatttgt	tctgttatgc	atgtcttttc	60
ccacacatat	tcCaatctt	ttaggggagt	aaaagcagt	aaaataacaa	aattatgttc	120
cacatgccca	agtcacaaaa	tgtattaaat	atgataaagt	agcggtgta	caaaattgga	180
caaattgaca	aataacaatg	ggtcaggaac	actgtatctg	tttgatacag	gagtgatatt	240
gaaaaagggt	tctgttttta	ctttctctta	tttgtcatca	aaaaagaaaa	ttgcatcttc	300
cataaacaga	ttccagaaaa	agaaatttat	tgttacctct	gcgaagtgtg	ggatagcttc	360
tggtggtaag	gatggatttg	aacacgttta	cgtctgtccc	ctttctcctt	tctcctgctt	420
catacaaggc	ctgtcaagaa	acacaaaagt	aaacacttca	ctatctgctg	aatgatatac	480
tgcacaataa	tgtagacct	tgtcaaagat	tatataggca	atcgctttgt	gccaataaca	540
atcagagtag	tcaacaataa	gattgcaagt	tctttaaaga	tagggacctt	atTTgtttg	600
tcaaatatct	tccacagttt	ctctcaaggt	gccttgtaaa	cactagagtc	tgaatatatg	660
tt						662

<210> 5248

<211> 1116

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (105)...(591)

<223> similar to gi5733600 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5248

caacttcaga	ttaccagaat	gacaaggact	agaattggat	atttcaggcc	actgctctca	60
gccagacccc	accagggccc	agcctcacc	tgcagggctc	agagggcact	ctgatggttc	120
taaaacatcc	ctaccaaga	aaagtggaag	aaccctccat	ttatgaatct	gtccgggttc	180
acacagcaat	gcagacagga	agaacagaag	atgaccttgt	gccacagca	ccttctctgg	240

gcaccaaaga	aggttacctc	accaaacagg	gaggcctggt	caagacctgg	aaaacaagat	300
ggtttactct	gcacaggaat	gaactgaaat	acttcaaaga	ccagatgtca	ccagaaccaa	360
ttcggatcct	agacctaa	gaatgttcag	ctgtacaatt	cgattattca	caagaaaggg	420
taaactgttt	ttgtttggt	tttccattca	ggacatttta	tctctgtgca	aagaccggag	480
tagaagctga	tgagtggatc	aagatattac	gctggaaatt	gtcacaaata	agaaaacagc	540
tcaaccaagg	ggaaggcacg	atccgatctc	ggtcgttcac	ctttaaatag	atctttcttg	600
ccaaggaatg	ctctggccca	ggagcaaggt	ggaatgtttc	cctgacgctg	tgatctgcag	660
caggcttcaa	atgaaaaccg	actaaggatt	ttctttcaaa	aacaaatcag	aagcagatgc	720
tgattgggac	ccatatacca	cgttgctgac	tcacgttgct	gcccttccat	gatgttgcca	780
tctccttgag	aacctgaag	caatcaccat	tctgatagaa	agtgtttaa	ccaccactct	840
taggtctgct	cactcttaga	acacacaatg	gaagaggaag	ggtttttgtt	ttcactcatt	900
gtgggtcccca	agcctattga	cactagtgtc	ctagagtccc	actgtgagtc	atggtcagcc	960
tgtctgacat	ccaggttgtg	ctattaacca	agaaggaaac	agatacttgg	aggcttagat	1020
gacttctgca	ggatttatat	tcagatagaa	aacatcaa	attttcaggg	gagaggtttt	1080
ttttttta	ttttccct	ttatacaaaa	aaaaaa			1116

<210> 5249

<211> 1189

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1190)...(967)

<223> similar to gi3002527 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5249

agggaggaag	agagagagag	gagtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	60
gtgtcaggg	tgggaccaga	gcaggaacac	acgcaagaag	ggactgagaa	ttgtatcaac	120
agcgcaaaag	aagtcaaagg	aattacttac	gcataaaatg	aggactgttc	ctcagagatg	180
agtcagtcct	gagaagccaa	ccaagccggg	tactctgagt	ctggatccga	ccttgctaga	240
aatacggctc	gaggcagcag	aggttctatg	agagtccaca	gaaggtcagc	acaggctaag	300
gtaaaagcag	ggcaatagg	ttcttgtgtt	ctattggcga	aagtagaata	gaatagaaca	360
gaaaaactga	gtgggcaaaa	tgagaattgg	caaaaaggta	tcattaggct	catacctacc	420
acaactctac	agccctacca	cttaccagaa	tggatagatt	cctagtcgtg	taaccataaa	480
aacagcactg	aagatcacaa	aaagggtgtc	acagagccgc	tgatacttgg	cataattggc	540
cagtttggt	gcctggagaa	aggaagaaag	aattgagctg	gggagaaagt	cattcctctc	600
ataggaagaa	aagaagagaa	gaagaagatg	gagaaagaga	gattgggttt	ttacctccag	660
caagaagtct	gagacatcat	gtagacacat	gatcagagtt	cccactcgaa	tcattattgtt	720
gatgtaggag	aaggagataa	gccaatggt	gaccaagtga	tgacaaaaca	tgatcaggaa	780
gtcctaggaa	ggaatggaaa	tagaagaggg	aggtaaaagc	tgggccctag	aaacaccagc	840
caacccaacg	tcctgcatta	ttctctgaga	atcttacc	accccatata	gaatagtctc	900
cattggccgg	gcgaggtggc	tcattgcctgt	aatcccagca	ctttgggagg	gcaaggtggt	960
cggatcacct	gaggtcagga	gttcgagacc	agcctggcca	acatggggaa	gccccgtctc	1020
tactaaaaat	acaaaaataa	gccgggcttg	gtggcatgtg	cctgtaatcc	cagctactcg	1080
ggaggctgag	gcaggagaat	tgctcaaacc	tgggaggtag	aggttgagct	gagctgagat	1140
cgcgccactg	cactccagcc	tgggcgacag	actgagattc	cgtctcaa		1189

<210> 5250  
 <211> 1314  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1315)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (38)...(1085)  
 <223> similar to gil938462 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5250  
 ggaggcagga gaggccagcg gtggtctcat tcctggaaaa tctcttggtg ttgcaactat 60  
 ggagctgctg atgttcattt tagtacggca tatgccacat ctacgtacca aggtgtcaga 120  
 ctctccaagt cacatagcca ctaaaactcg actatcagaa gaaagtgctc gtttggtggc 180  
 agccacagtt accatactct ctgatttacc atccctttgt tcaccgctg gatgtatgac 240  
 aatcctgccc acaattctgt tcttaattgc aagaatattg aaagacacag caataaagtc 300  
 tgcagataat caggttcctc caccagtcag tgcagctctt caagggatta aaagtattgt 360  
 gacactttca atggccaaaa ctgaggctgg cgttcaaaaa cagtggacag ctctgattcg 420  
 tagcacgctt gcttgcattc tggaatattc tcaaccagaa gactctgtac ctacacctga 480  
 tgaagtaagc atgctaacag caattgcact ctctctgtgg tctgctagta atgaaataat 540  
 aggagtccag tcattacaga atggctgcat gaacagattt aaaaatgcat taaattcatg 600  
 cgacccatgg gttcaagcca aatgttacca gcttctctc tcagtcttcc agcattccaa 660  
 tcgtgccctt tcaactcctt atattcattc attagctcca atagtgggtg aaaagctaaa 720  
 agctgttgaa agaaacagac cagccagtaa catagagctt ttagcgggtc aagaaggaat 780  
 aaaaagtctt gaaacactgg ttgctcttgg tgaagaacaa aacagagtcc agctacttgc 840  
 tcttttagtt ccacttttga tatcttacct gctggatgaa aattcttttg cctcagcaag 900  
 ttcagcttcc aaagatcttc atgagtttgc actccagaat ttaatgcata ttggacctct 960  
 gtatccacat gctttcaaga cagtaatggg ggctgctcct gaggtgaaag tgcgtctaga 1020  
 aactgccgtt cgagcaagcc aagcgagcaa agctaaagcg gctgccagac aaccaggccc 1080  
 ccgccatata ttctggcacc aacaattaaa gctaaaaaac aaagtttttt ttaatttgta 1140  
 atttcattta atttgtatnt atggttggca actaagcccc taattagtga nggccactgt 1200  
 atcattccag gctanctaata gggctctggt taatttgga tattgggatt aatagtgtt 1260  
 ccaaggtagg gtaaagtggg aataatgctc acaccactta ttggattttt aagg 1314

<210> 5251  
 <211> 2996  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (2555)...(2220)

<223> similar to gi3880026 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5251

tttttttttt	ttttattttg	tattggtttt	atttaaattt	tacagaaacc	tgatcagagt	60
taagtatgta	attataagtc	cagtaacaat	ttctacaaaa	atgcacatac	aatgccagaa	120
ctccttaaaa	gcaactaata	tcatatttgt	gtttttgcata	aaacatgcat	taatagtgtg	180
gccaaaatca	gtctctacaa	gaagagacag	tccaatacag	tcaataagaa	aactagttgt	240
gaacaacagg	taaaaaaga	ggtttccagt	taatgtgaaa	gaaggaatag	tacctttcat	300
aaaacaagcc	cttcagcgct	gagttaactg	atcgggtacta	ttgtgctgca	cgtaatgtaa	360
cacatcacct	ccaagacttg	gtcctgattg	gtcataggaa	gtaagggact	ttctggtagt	420
tacatcagat	atttgagaag	attaaaagtt	ttccggacat	gatggtatac	taatagtgca	480
accttgcaaa	aaggggtcga	aacattgtca	gacttgggaag	agttccccag	cttgataaac	540
aacctcaaag	acaccccgag	cctttgaacg	gagccctctg	cacaaggcca	gctcagggct	600
caccgacatg	tctgtgggcc	acaagacctt	ccagctccac	ataccacctt	tcgtgaggat	660
ctgcaattag	gagcctgagt	gccgaagaac	atggttgtgc	catttctttg	aggctttgac	720
tttttataag	gcctagtcca	tctcatccag	ggattgggca	ctcgaatgaa	tacacagatg	780
ctggacacat	aaggagtatt	aatatacatg	gtggccccac	agcctgaaat	gctttttatta	840
acatacatca	agggtgtgtc	ccgactgtca	ggaaagacct	tggtcctcca	gaggcagaga	900
gaagctgagg	gttctctatg	tatcacaagg	catttcctac	atagactgag	gggtgttaaa	960
gagatctcat	atcaactgaa	aggacttccc	ctcaaagtgt	gggctctgta	caaccttcca	1020
tgaggatctt	caaaaaaaag	atctcatagt	cgttagggaa	gtggcgggtg	acattaacat	1080
tatatacaca	aaactcatca	ttcgtgcagc	ctcgggcctt	gtttgtaatc	tcttccacag	1140
tctgtctctt	ccaaaacagg	gtccctgccc	ctgcttattt	caagtaagct	aagtcaggat	1200
ctgttttctt	tagcagattc	aagggggaaa	aataataatt	tattgggggt	ctaataacat	1260
tttcataaca	gaatatcaaa	ataggtccat	ttttgatata	tgcttatgaa	tatccctgat	1320
aatatcaaga	aatccagagg	acttcgtaaa	ccaccaagat	ttcacagggg	tgagacccgg	1380
tctgttttct	aggcagcaga	gaagggacta	gtatacgggc	aaatgttctc	caggaagccc	1440
tgtgagcact	acagtactga	aattctaatt	ctagtgccaa	tagaatcatg	aacgaaaatt	1500
tcacttgaac	tgtattagta	aaattcataa	caaaggcttg	cttcctcaac	cctgtcatct	1560
gttaatctct	ccgectgtga	cagacatcca	gaccagaaaa	ccatcagtc	tggtactct	1620
ggaggttggg	cctagagaaa	acaagcccca	agatcctttc	taagctatga	ccaaacctca	1680
gaaaacaggg	acgtgaaaga	aggagcagac	caggcttgag	gaagctttga	cccaaggcac	1740
cacgatcata	ggggcgaggg	gacctgtaga	ggttttaggt	gacgggaaga	gagccttcgg	1800
tgatgcctgc	ggagaggtt	ctggaaggca	acagctctgt	ggcaaaacac	acacatctgg	1860
gagtgaataa	acagatcatt	aaacaagacc	ccaatttgct	ttctcaaaac	aaaatcaaac	1920
ttaaaaacta	tgcaataaac	cctgggtgca	ctggagtagg	agtacactgg	agaagtctgt	1980
ggaatgagct	gcatcagctg	agtcacagag	gacgtggct	gtgaagttag	catccacag	2040
gtggctactg	cagctaaaga	gaatgaaggg	agcgcgaggc	ctctccaaac	agaggaggac	2100
ggaaaggggg	ccaaatgtga	accacacctc	ttttattcca	agaatgggaa	gcgcattttc	2160
attggcttga	atgagaaagc	ttcatactcc	actctagctg	cagtaatact	gcatcccatc	2220
cactcttctt	ctcttttttg	actgaaactc	ttcaaagaac	tgctgaatgt	cctctctctt	2280
aacaaccgtg	ccttcatcag	caaatctctt	gagatagtct	ttaagttag	tcttcaaate	2340
attgtattca	caaatgagtt	ccacttgctg	gactctatct	atgctgctaa	gggtatccat	2400
taggggatcg	ctcctgtcag	tggcctgggc	aatcttccct	ttgttttcat	aagccagaac	2460
tgtgtcgtat	tcatctgtca	ggaataagac	atctagatct	ccatacattt	tcatacagtc	2520
ttggcaggta	cacaacttgc	tacgccagtt	caggggccaa	taggtggcag	tgtctttctt	2580
tataagctgc	ttagctttaa	gtcctgaag	tttgagcca	gattttgatt	ctgcgttgag	2640
gctttcattc	ttaaactctg	tctggagatc	agattcagaa	ctagagccgg	cacatggttc	2700
actgttctgc	tctactttaa	cctcccggac	atcatccttt	ccctgttctg	gaacatcctc	2760
tttgagggta	ctatcttgat	gctctccatt	ttcaggtttg	ataacttctt	gatcacctat	2820
tccatcaatg	ttccgcacca	atccatcatc	ctcagtggtg	attttgggtta	ctgccaattg	2880
tgcagcataa	gcccacaaaa	aagaacaacg	tttcatgcag	gcctggcata	ccatctcctg	2940

aaaatcccca ctctcagggg gaatacgaag tcgtcgaccc ggaaattccg gagcag

2996

<210> 5252

<211> 1286

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (472)...(1050)

<223> similar to gi4981020 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5252

cccggcagag	ccgcttcccc	ctcctccctg	tgctgtctgc	accgaggaga	gcccgcctgcc	60
gggtgagtag	gtccggggcc	tctgggccct	cgggggcccc	tctcctgcag	gctcgaggtag	120
ggcggggaga	aaggggacgg	gcgcggaccc	gggtcccaag	gccaggcctc	ccttgtagag	180
agactatgca	aagaaaaagt	gggccacccat	atctggaaac	tacagtctat	gctttgaagc	240
gcaaaaggga	ataaacattt	aaagactccc	ccggggacct	ggaggatgga	cttttccatg	300
gtggccggag	cagcagctta	caatgaaaaa	tcagagactg	gtgctcttgg	agaaaactat	360
agttggcaaa	ttcccattaa	ccacaatgac	ttcaaaattt	taaaaaataa	tgagcgtcag	420
ctgtgtgaag	tcctccagaa	taagtgtggc	tgtatctcta	ccctgggtctc	tccagttcag	480
gaaggcaaca	gcaaattctt	gcaagtgttc	agaaaaatgc	tgactcctag	gatagagtta	540
tcagtctgga	aagatgacct	caccacacat	gctgttgatg	ctgtgggtgaa	tgagcccaat	600
gaagatcttc	tgcatggggg	aggcctggcc	ctggccctgg	taaaagctgg	tggatttgaa	660
atccaagaag	agagcaaaaca	gtttgttgcc	agatatggta	aagtgtcagc	tggtagagata	720
gctgtcacgg	gagcagggag	gcttccttgc	aaacagatca	tccatgctgt	tgggcctcgg	780
tggatggaat	gggataaaaca	gggatgtact	ggaaagctgc	agagggccat	tgttaagtatt	840
ctgaattatg	tcatctataa	aaatactcac	attaagacag	tagcaattcc	agccttgagc	900
tctgggattt	ttcagttccc	tctgaatttg	tgtacaaaga	ctattgtaga	gactatccgg	960
gtcagtttgc	aagggaagcc	aatgatgagt	aatttgaaag	aaattcacct	ggtgagcaat	1020
gaggacccta	ctgttgctgc	ctttaagct	gcttcagaat	tcatcctagg	gaagagttag	1080
ctgggacaag	aaaccacccc	ttctttcaat	gcaatggctg	tgaacaacct	gaccctccag	1140
attgtccagg	gccacattga	atggcagacg	gtaagtcttt	gtttctattc	tcttgactcg	1200
gcacaggtga	tccttgaaaa	ttaaataatt	tttgagtgtg	cacttgagcc	caggtgttca	1260
agaccagcct	gaggaacata	gcaaga				1286

<210> 5253

<211> 1380

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(925)

<223> similar to gi307487 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 5253
atgggctcca ggctgctctg ttgggtgctg ctttgtctcc tgggagcagg cccagtaaag      60
gctggagtca cacaaactcc aaagcacctg atcacagcaa ctggacagca agtgacgctg      120
agatgctccc ctaggctctg agacctctct gtgtcctggg accaacagag cctggaccag      180
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<210> 5254

<211> 829

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (427)...(306)

<223> similar to gi3550833 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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accagcacca gaaggaattc cgaggacaag ccaacatcca tccactgcag gacaaagtca      420
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gccgaggcgg	cagcagaagt	gtgtatgccg	tacactcagg	gcccaccccg	aggctgggag	720
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<210> 5255

<211> 3271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (717)...(1897)

<223> similar to gi4322670 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<211> 8519

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)...(3853)

<223> similar to gi3763972 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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aaattattga	aagaacaatt	cgtttgcatt	tcctgatgaa	agtaaaagca	tttttcagag	6600
aaacatatga	atttctcata	cccagcagac	agatggctga	cactgcacag	ccacacacca	6660
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cttttctggt	ttgttttggt	ttcactcttg	cactacagtc	tagagatcca	aatgaactga	6840
aaagttcaaa	gtttaacaca	tttaaatatg	tttactttta	gttgctcattc	taatcgttat	6900
tgattagaag	catgactcct	gaaggaaagg	gaaataaatc	tcaattcata	ctaacttgca	6960
acaaaacact	tttaccatat	aaataagtat	atgattttatt	tttaacccaa	aaaatgtata	7020
aaataagtg	gtcctttact	gtcaatttat	cgagaagatc	tataatatat	agactacata	7080
tatataatat	atacaacata	gccaaatgta	tgaaaacttg	acaatgtata	atttggaatt	7140
cacatgctac	ctatgtagac	aggtatgaaa	tttaagttata	attttcatga	gacattttca	7200
tcactgttga	cacagtttca	agcattccat	catgttattt	tgactctttt	tctttttttt	7260
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tgttttcttg	aagaaattca	catacacata	gctgacctga	ctagtacttc	agctcttcca	7560
cagccttcta	taaaggttct	ttcttctgca	aagaaaacaa	aacaaaacaa	aacaaaacaa	7620

aaaaaaca	aaaagcgcaa	aaaacaaaaa	aacaaaaaaa	agcaaagtaa	aatttaaaaa	7680
tacagaaaac	aaacaacaaa	aaagaattca	accataaata	gtgactatta	ttttcagtgt	7740
gtccttcatg	tgaaagctat	taaggaccaa	atatactact	gttcataaga	agaaattact	7800
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cagtttctctg	taataaccaa	caggtaagag	gttcctaate	catattgaaa	attgtgttat	8220
aatgggtctga	gcccatgttg	cctaggaaac	aataggttcc	caaatttgta	aatccctgcc	8280
tctcctgtgc	ctgaaaagtg	acctggatac	tgtaacaggt	tccatgttcc	tctggctgca	8340
gttaaagtgt	cttttgcat	ttgctctggc	tttcaggcca	gaagcatgca	ttttctaca	8400
agagcatcac	aacaacatgc	tgtaaatatt	taaagttaaa	cattatgtgt	tgatatttga	8460
aagaaaagca	ctttgaatat	ttcattttta	aaaaataaaa	ttgccaatga	aaaaaaaa	8519

<210> 5257

<211> 932

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (12)...(881)

<223> similar to gi495144 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5257

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tgaccagga	tgagaccaac	tatggaattc	cacagcgtgc	tctgcggggt	cactccact	120
ttgttagtga	tgtggttatc	tctcagatg	gccagtttgc	cctctcaggc	tcttgggatg	180
gaaccctgcg	cctctgggat	ctcacaacgg	gcaccaccac	gaggcgattt	gtgggccata	240
ccaaggatgt	gctgagtgtg	gccttctct	ctgacaaccg	gcagattgtc	tctggatctc	300
gagataaaac	catcaagcta	tggaaatccc	tgggtgtgtg	caaatacact	gtccaggatg	360
agagccactc	agagtgggtg	tcttgtgtcc	gcttctcgcc	caacagcagc	aaccctatca	420
tcgtctcctg	tggctgggac	aagctgggtc	aggtatggaa	cctgggtaac	tgcaagctga	480
agaccaacca	cattggccac	acaggctatc	tgaacacggg	gactgtctct	ccagatggat	540
ccctctgtgc	ttctggaggc	aaggatggcc	aggccatgtt	atgggatctc	aacgaaggca	600
aacaccttta	cacgctagat	ggtggggaca	tcatcaacgc	cctgtgcttc	agccctaacc	660
gctactggct	gtgtgctgcc	acaggcccca	gcataagat	ctgggattta	gagggaaaga	720
tcattgtaga	tgaactgaag	caagaagtta	tcagtaccag	cagcaaggca	gaaccacccc	780
agtgcacctc	cctggcctgg	tctgctgatg	gccagactct	gtttgctggc	tacacggaca	840
acctggtgcg	agtgtggcag	gtgaccattg	gcacacgcta	gaagtttatg	gcagagcttt	900
acaaataaaa	aaaaaaaactg	gctaaaaaaa	aa			932

<210> 5258

<211> 2536  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (23)...(978)  
 <223> similar to gi3372651 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5258  
 gaattcccgg gtcgactatt tcgtctttga gggtcatacc tccaaagtta actgcctcct 60  
 ggttactcag acctccggga agaatgctgc cctttacact ggggccagt accataccat 120  
 ccgctgctat aatgttaaga gccgagagt tgtggagcag ttacagctgg aagaccgggt 180  
 cctctgcctc cacagtagat ggccaatcct ctatgcggga ctggcaaatg gcactgtggg 240  
 caccttcaac ataaagaaca acaaacgact tgagatcttt gaatgccatg gccctcgggc 300  
 agtcagctgt cttgctacag ctccaggaagg tggccgaaaa ctgctggctcg tggggcttta 360  
 tgactgcaca attagtgtac gcgatgcccg gaattggactg ctctcagaa ctctggaggg 420  
 ccatagcaaa accattcttt gcatgaagg ggtgaatgat ctctgttca gtggctccag 480  
 tgatcagtca gtccatgctc acaacattca cactgggtgag ctctgcgga tctataaagg 540  
 tcacaatcat gcagtgactg tgggtgaatat cctaggaaaa gtgatgggtga ctgcttgcc 600  
 ggataaattt gttcgtgtct atgaattaca gtctcatgat cgattacaag tttatggagg 660  
 acacaaagac atgattatgt gtatgaccat ccataaaagc atgatttaca ctggctgtta 720  
 tgatggcagt attcaggccg tgaggcttaa tctgatgcag aattaccgct gttgggtggca 780  
 tgggtgtctc ctgatatttg gcgttgtaga tcatttaaaa caacacttgc tgaccgacca 840  
 cactaatccc aacttcaga ctctgaaatg tcgctggaag aactgcgatg cttttttcac 900  
 tgctagggaa ggatccaaac aggatgctgc aggacatatt gaacgacatg ctgaagatga 960  
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 agaaagtggg tactagccag gcataccctc agcataagtc tgggcagctc tatgggatga 1140  
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 accatacttc tctgggacag catggcatat agtgatatat gctattttgcg ttctccagat 1260  
 gtttattgaa gatacagatc ctaattgggtt acccagtttg accctaataca tatgtatatt 1320  
 ttattgattt cagtttgcaa tttttaattt atgttcttat gatggtttta acctatagtc 1380  
 aggcttttaa gtacaagttt gtttaagtgc cagactttga ggatcagttt taatttctcc 1440  
 atttgaata gctgggtatt taaactggaa gcaaatagtt ttctttctta acaattatgt 1500  
 gcagtggtgt ctaactttt ctgctttat agatagagct ggctttaagt gctaaaggac 1560  
 acagtagatt tttgacaaac agtggctgct ctgctgacta tcttttagga attcaggaag 1620  
 caaatcacat agtgacaagt ccttacagac accacttcta gtaaatctct gtaaatgtgg 1680  
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 aacctgggca ctacctgtta cagatcctgt caggctgttg aactggagggt gtacctttat 1800  
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 ggagcagaga ctctgcctgg ccactgagaa cagccaaatt cacaaccctc cagtggggct 2160  
 ttgttttttg attttctccg gactcatcag taaacctgta gaagtgtcgc tttccagcct 2220  
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 cccagcactt tgggaggctg aggcaggcag atcacctgag gctaggaggt gcagaccagc 2340  
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 gcctgtaatc ccagctgctc aggaggctga ggcaggagaa tcgcttgaac ccgggaggca 2460  
 gagattgcag taagctgaga tcgtgccact gcactccagc ctgggtgacag agtgagactc 2520  
 cgtctcaaaa aaaaaa 2536

<210> 5259  
 <211> 4201  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(1394)  
 <223> similar to gi5911845 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5259

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ggaggggtgg	tgctagacgt	ttcgggcaga	gctcggccgc	tgcgaggac	aaggaactct	120
ccctctccca	ctagtctgac	ttcttccaaa	atgagcggcc	tggatggggg	caacaagctc	180
cctctcgccc	aaaccggcgg	cctggctgct	cccgaccatg	cctcaggaga	tccggaccga	240
gaccagtgcc	aagggctccg	tgaagaaacc	gaggcgacac	aggtgatggc	gaacacaggt	300
gggggcagcc	tggagaccgt	tgcgaggggg	ggtgcatccc	aggatcctgt	cgactgtggc	360
cccgcgctcc	gcgtcccagt	tgccgggagt	cgcgcggtg	cagcgaccaa	agccgggcag	420
gaggatgtct	caccttctac	gaaaggtctg	gaagcagcct	ctgccgccga	ggctgctgac	480
agcagccaga	aaaatggctg	tcagcttgga	gagccccgtg	gccctgctgg	gcagaaggct	540
ctagaagcct	gtggcgccag	gggcttgggg	tctcagatga	taccggggaa	gaaggccaag	600
gaagtgcaga	ctaaaaaacg	cgccatctcg	gcagcagtgg	aaaaggaggg	agaagcaggg	660
gcggcgatgg	aggaaaagaa	ggtagtgcag	aaggaaaaaa	aggtggcagg	aggggtgaaa	720
gaggagacac	ggcccagggc	cccgaagatc	aataactgca	tggactcact	ggaggccatc	780
gatcaagagt	tgtcaaactg	aaatgcccg	gctgacaggg	ccttccttca	gcttgagcgc	840
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cttgtaagg	aatatgaacg	cagatcctct	ggcgggtgg	tgtctctttc	cactccaatc	1140
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gagattatca	aaggagaact	gtggcccaat	actacatgat	gggtgaaggg		1320
ccccgtagag	gaattcgagg	cccaccaagg	cagccagtgg	agagcgccag	atccttcagg	1380
ttccagtctg	gctaactctt	gtcctgtgag	aagcttctgc	acaagtttcc	ttaccacctc	1440
ctcttggaac	tatgcttggc	caacagcatg	cagtcttcca	tctgctttct	cttcatactg	1500
tggattatct	tttcttttgg	ttctaaatct	tcagtaatcg	gttgcaagat	tggttgctta	1560
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cactgcaaga	caaaaactgat	atcttaaccc	ggccatcaac	ccaaattgga	cattccagac	1920
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aagtgttcta	tgttatcaca	ttggttttcc	tgtacctttg	gttactctac	gtcatggacc	2100
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ggttatgatt	aaatgggctc	cagatctctt	attgccctta	ttcctccacc	ccacttcttt	2700
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gtagggtgga	cagtgatgcc	gtcaaggctt	agttatgata	atgtgtggtg	ataaagacca	3300
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ctttatatgt	gtggaagatt	aatggtatat	gctccttatg	tactgtttt	tgagtaaaat	3720
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agtgaatatt	cattaatgta	ttagcttggt	ttgctctctg	ttcatatatg	gctctattct	3900
tagaaatata	atttgaatgt	gatctttcaa	tagtctgaat	attttacaaa	ttatagctat	3960
gtcttggtgaa	aataacctca	aaaagaaaaa	tacgactctg	ttgtcttact	tgatatttct	4020
tgccctagta	atgtacttga	catttatggt	cctaagcagt	gtaagtacta	gtagaatttc	4080
tctgtcaaac	tcaatgatca	tttagtactt	ttgtcttctc	ccatgtgctt	gaaggaaaaa	4140
taaagtgtca	ctaccgtatt	tcttgttttc	atcaaaaaat	aaaaataatt	taaaaaaaaa	4200
a						4201

<210> 5260

<211> 1385

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (217)...(486)

<223> similar to gi643 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5260

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aatgaattat	gtcagattag	gaataggtct	tgaccgatct	acagatatgc	agtattgatg	120
gaaaaaggat	ccctacttag	aatagtttct	ctggagttag	tataactgcc	tttattaaaa	180



tgtttctatc	tcttgtaaca	atttcataat	tgtatagttt	ataggcaagc	aataaacagc	240
aagatgtttg	aggtggatat	gaaaattgct	gaaatgcatg	taaaaagaaa	gcaactccat	300
caactactac	ctaatacatgt	gtttcagaaa	aagaaaaagc	attcaacaga	aggtgtcaaa	360
ttgacagctc	tcaatgacag	cagcctcgac	ttgtctatgg	acagggataa	cagcatgtct	420
gtgccttcac	ctactagggc	tacgaagacc	agtcattga	acagttctgg	cagctctcag	480
gggtaaggaa	aaagagggaa	atagaagtgg	aggggctggt	tgctaaatca	atcagataca	540
ttctcttttt	gctattaaag	tcatctattt	agaatgttat	tttcattcca	tctactaatt	600
tttttttaaa	tagcaattta	attcccaggt	ttggggatag	tactttttgg	ttttgtcttg	660
tcatacttaa	cattttattt	ttgagactga	taatgtcttc	agtcagatgt	gaatgaatgt	720
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aaaaattttc	agccaggtgc	agtgactcac	acctgtaatc	ccagcacttg	gggaggctga	1140
ggtggttaga	tcacttgagg	ccaggagtgc	aagaccggcc	tgggcaacgt	ggtgagactc	1200
ccatctctag	aaaaaagtaa	aagaattagg	tgtggtggtta	tgcacctgta	gtcgtggcca	1260
ctcaggagcc	tgaggtggga	ggattgcttg	aacctgcaag	gttgagacta	cagtgaagctg	1320
tgatcccact	gctgttgccc	ccagcctggg	caaccagagt	gagaccctgt	cttaaaaaaa	1380
aaaaa						1385

<210> 5261

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (11)...(58)

<223> similar to gi2224405 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5261

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cagttacaaa	atggattggt	tcaaatggca	atttcttaca	ctaacctgat	tatgaaaaaa	180
agaagtctgt	atcatctgct	tccaagtctg	ttatgtccaa	atatatttta	attatgcatt	240
tattttgcta	cttttataaa	tattagagat	ttcaccttaa	attatttttg	taactagttc	300
tagaacatgt	tttccaatta	ttatttttct	aatggagaca	tataattgac	ctatgtttat	360
gcatatatgt	tctctacaca	gtgaaacttt	ttttaaaaag	aatagtaaag	aaaatgcgga	420
agctctggct	ctccaaggca	aagtcaaaaa	aaaaa			455

<210> 5262

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (208)...(283)

<223> similar to gi2204218 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5262

tttgtgctgc	aaccaggtac	tgtgatttct	cacctagttt	ccatagctct	tgtgaagggtg	60
ttttcgtgca	tggatagtg	tcaaattgat	gtttctgtta	ggggacaatc	actggagagt	120
cctattcttc	catcttattc	tgcccccttc	ctccaaaaag	gtcaacttgt	aactgctttt	180
ttcaaacc	tattcaatca	gtttatgaac	cacatgagtc	agaatcatca	gaatatccca	240
ccaacaaata	cagagagaag	atcaagatcc	tgtacaatac	tataaatata	tatttatgtt	300
ttcacagtca	cccagtgtat	tgtaatgtat	acttgaaaaa	tggtataact	tatgaaggac	360
agtttctgat	gagagtcttt	ataagatata	agacttaat			399

<210> 5263

<211> 2255

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1881)...(1012)

<223> similar to gi5912357 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5263

tttttttttt	ttactttcat	taagtgtctc	tttattattt	atgtagaaaa	gtttaaaatg	60
ctcccaatga	gttcatcagt	tatcaagctc	acatgagtta	ggacacaatc	acctttgggt	120
tttcatctca	taataagtca	gcaaaagttg	acatttatct	tactagacat	ttcccattag	180
ccctaactga	aacagatata	aaacacccta	gattctcttc	agtgc aaagt	atctggagtc	240
acagcaattt	tagagacaag	ctagtgcaat	ctagtaattt	tcatagtcgc	agaaactgag	300
gcctagaagt	gatttgtaca	tgtgagcagc	tagaaccagg	acaagaactc	cagaacctgg	360
gaccacgtga	gagtaaaaag	aaagggcacc	gagtacagga	acaacaactg	acacatttca	420
ggtggaaaaa	acaagtcaca	taactgaaaa	ccaaaatcac	agttacataa	ctattttata	480
ttagcttcct	acataataag	tataaaaact	cagctataca	tggtatgaaa	ttgtacaaac	540
ttacacttgt	ttatggccta	aaatttgtat	aaggacacac	ttatacagat	ttcataaaca	600
atggccattt	ttagaaaaag	ttatatttgt	ccctgaacat	aatattcata	atttgctttc	660
aaaacaaact	cgaagtaagg	attggacttt	aagcttccaa	gctgatccgc	ttgtagcagg	720
tctttcacct	ccggtaaagta	ctcactgagc	tgaatgccat	cttttaaaag	tttctgtaag	780
atcttcacaa	atatactgtc	tttagatact	tcaattggat	catctttgcc	atcagaactg	840
gaccagttat	ctctctgaag	agctttgcaa	aggatttcca	gttttagatc	atztatattt	900
atatcttctt	cctcatcaat	atattccaac	aagtccaaag	ctttcttgaa	atcatattca	960
ttagctcttc	tattttcttc	acagatatat	agaccaatga	gttgtgggtgc	agtcaatact	1020
ggcatcgcac	tgagatttag	ctgtttctcc	gccagcagct	gttcaggtag	ggtctcctga	1080

tgcagtagaa	agcgctcctg	ctcagccatt	tottcaattt	tttctttag	catatcctct	1140
gaaaagtctg	aagctaattg	agccaattta	ctcaagccaa	gaagggtttt	cttctttgca	1200
aagtaacgag	tttccatatt	tgccaaaccc	agaagtgttg	catgagcctt	ttctaattct	1260
tggctattaa	tttcatgtaa	ccagctgaga	tgttcatgag	cttgcaaaaa	atttgccaac	1320
tgtccatgct	gagaaatggg	ctgagataat	aatttgcttc	gctttccttt	ctccagatac	1380
caacggaaga	gaaagtctga	aaaattctga	tcagcaaact	gggtcatgta	gcgctggagt	1440
cggctctggg	tgtcagtctg	ctcacacatt	tgtaccaata	tatcaaagtc	acagtatttc	1500
tctgctagag	aagcagccca	caggtactgg	cctagtgaat	gaagaggaga	taagagatct	1560
gatcttttct	gtaggtattc	catctccaga	ttgtcatatc	tttcccgatt	actggattta	1620
tccacagact	taagctgaga	aacataacca	tccaggaagc	aatcgatcag	ggctaccagc	1680
tgtcgggtca	cgatgtttcg	gaggttgctg	tctgcctgtg	gataagccac	cttcaggaca	1740
atctcatgct	ggcgtattat	taccgttcgg	atgccaccag	gaccacttgt	tgccgtccat	1800
ggaacatatt	caggttcttt	ttctagtgat	tcttctcttc	tatacaaaga	gtttctattt	1860
tggcgataat	gactagcagc	ctgcagcata	tcttggaata	aaagttaatg	tgttatcaca	1920
tgcaaaaggt	gatggatcac	agtatttctg	aagataattt	aagacagcaa	agtaaattag	1980
taagaaaaaa	tactcagggg	ccaggaatgt	tggctcacac	ctgtaatccc	agtgttttgg	2040
gaggctgagg	taggaggatt	gtccttagcc	tgacaacata	gtgagacccc	atctgtacaa	2100
aaaattttta	aaattacctt	ggcatcgtgg	cgtgcaccta	ccgtcccagc	tacttgggag	2160
actgaggcag	gaggactgct	tgagcccagg	aggtggaggc	tgcagtgagc	tataatcaag	2220
ccactataaa	cacgaaatcg	tcgacccggg	aattc			2255

<210> 5264

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (599)...(168)

<223> similar to gil256001 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5264

tttttttttt	ttccaaggac	aagagtgtct	ttactggagt	tgggactggg	gcctctatag	60
gggcttctgg	tttctgggct	gtaggtttgt	gaggtgtggg	atcttaagtc	aaagggtggg	120
gactagggca	gggtatcaga	aggtgatgtc	atcctcgtac	agggacagca	gcagcaggac	180
ggtccagccg	cccagcaggc	ccacgttgtg	cagcaggaag	aggagccagg	gccgcgggtc	240
ccgtactttc	aacatcgccg	ggagcatgtc	gcagagtgtc	acgtagagga	acaggccggt	300
ggccactgcc	aggatccagg	cctcgctctc	ctcgctgact	ccaaccgcga	gtgccacgta	360
gagaccagcg	aaggccgtga	gcgcggaggc	caggttcagc	agcagtgtct	ggcgacagga	420
cagccccgcg	tgcagcaagg	cggcgaaagc	ccccagctcg	tgtggcaact	cgtggcagaa	480
cacggccagc	gaggtggcca	gcccggctct	ccaggaggac	gcgaaggcgg	cgcccacggc	540
cagcccgtcg	gcgaagtgtg	gcacggcgct	gcccagagtg	atcatatagg	gcagtagcct	600
caactctggg	ctcagtctcc	tgggctcagg	gttcagcagc	tccgggtctc	cctccgccac	660
ctgggaggag	ccttgagtaa	gtcctcgaaa	tcgtcgaccc	gggagttccg	gccgagtgc	719

<210> 5265  
 <211> 1794  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (574)...(1015)  
 <223> similar to gi3157950 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5265  
 gaggagctga ggttcggtcc ccgcccggga ggtcgggacg ggcaggggct gaggaccccg 60  
 cgccagcttg ggagccctgg agttctggcg ggaggggaagc tgtcaaattg aagccggtag 120  
 aaatgagaca gacgcccgga gaagcgggga gccccgcccc tccgccatag cagcctcggg 180  
 cgccgcctct tcctttccag cctcccgcct tcgtctgctt ccggccctgt ggccctgggtg 240  
 ggctctgcag gctccctcgg gactggctct tgggcccgtg cccctctggg aggcctgagg 300  
 gagctcaatc ctggtagcaa caccctgaa ttccctgggtg tgaaaggatg tggccccagg 360  
 acccatcccc gaaggaggtg ctgagggttg cagtcagctg ccgtatcctg actctgatgc 420  
 tgcaggccct cttcaatgcc atcatcccag atcaccatgc agaagccttc tctcctcctc 480  
 gcctggcccc ctcaggcttt gtggaccaac tcgtggaagt attatgccta cacccaattc 540  
 tgtctgccag gctcagcccc ccccatctct gagcctttgg tacagttagc tgtagacaag 600  
 ggctaccgga ttgcagaggg aaatgaaccg ccttggtgct tctgggatgt tccactaata 660  
 tacagctata tccaggatgt ctactggaat gttggctttt tgaaatacta tgagctcaag 720  
 caggtgcccc attttctact ggctgcacca gtggctatac tgggtgcctg ggcaacttgg 780  
 acatacgtga ccactcacc ttggctctgc cttacacttg ggctgcaaag gagcaagaac 840  
 aataagaccc tagagaagcc cgatcttgga ttccctcagtc ctcagggtgt tgtgtacgtg 900  
 gtccacgctg cagtgcctgt gctgtttgga ggtctgtgca tgcattgtca ggttctcacc 960  
 aggttttttg gctcctccac tcctattatg tactggtttc cagctcactt gcttcaggat 1020  
 caagagccgc tggtgagatc cttaaagact gtgccttgga agcctcttgc agaggactcc 1080  
 ccaccaggac aaaaggtccc cagaaatcct atcatgggac ttttgtatca ctggaaaacc 1140  
 tgttctccag tcacacgata cattctaggc tacttctga ctactggct cctgggacta 1200  
 ctcctacatt gcaacttctt gccttggaac tgacctggac tctccaggga caggttgga 1260  
 gccaaactaa cccaggggtc tgaaagttaa aatacacatt ggaactgcct ctgctgcct 1320  
 gggatcatta ctgtgtccat tataatcttt ctcttctct ttgaaagctg gtcaggaatg 1380  
 ggagaagtgt cagacactag agagcccctt ctggctcctg ctagggcaaa ttttagacaa 1440  
 ctattttctc tgtaagtga gattgtcgta ttccaagtct aaaatacacc tggatctgtc 1500  
 tagtcaatca acatagcaga gacagtcttt aaacctacca ttgacctgtg tgtaaattta 1560  
 aatgttcatt ttattgaagt gtaaatctca tcataaggca ttagctgtta ggctgggtat 1620  
 cagtccacac aagtttgtat aggcctgaat tgtgtagtgg cagtaaaaaa gtgggaccat 1680  
 ttttaccaaa tgcgacattg tttctgatgt ttttttttat gatttgtgca tgtattttta 1740  
 tatgaaaaaa acttacaaa atatgcaaat taaacttctt tcagttataa aaaa 1794

<210> 5266  
 <211> 1499  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature

<222> (311)...(910)

<223> similar to gi3881107 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5266

```
gtttcgcgga cctatgtcgc acgtgttgga attcgccctc cggagtgcgc agggcgacgg      60
ccccacctcc ggccactggg acggcggcgc ggagaaggca gactttaacg ccaaaaggaa      120
aaagaaagtg gcagagatac accaggctct gaacagtgat ccactgatg tggctgccct      180
tagacgcatg gctatcagtg aaggagggtc cctgactgat gagatcagac gaaaagtgtg      240
gcccaagctc ctcaatgtca atgccaatga cccacctcct atatcaggga agaacctacg      300
gcagatgagc aaggactacc aacaagtgtt gctggacgtc cggcgggtcat tgcggcgggt      360
ccctcctggc atgccagagg aacagagaga agggctccag gaagaactga ttgacatcat      420
cctcctcadc ttggagcgca accctcagct gcaactactac cagggtacc atgacattga      480
ggacacattt ctgctgggtg taggcgagag gctggcaaca tccttggtag aaaaattatc      540
taccaccac ctcagggtatt ttatggatcc aacaatggac aacaccaagc atatattaaa      600
ctatctgatg cccatcattg accaggtgaa tccagagctc catgacttca tgcagagtgc      660
tgaggtaggg accatctttg ccctcagctg gctcatcacc tggtttgggc atgtcctgtc      720
tgacttcagg cacgtcgtgc ggttatatga cttcttctctg gcctgccacc cactgatgcc      780
gatttacttt gcagcgtga ttgtgttgta tcgcgagcag gaagtcttg actgtgactg      840
tgacatggcc tcggtccacc acctgttgct ccagatccct caggacttgc cctatgagac      900
actgatcagc agagcaggag acctttttgt tcagtttccc ccatccgaac ttgctcggga      960
ggcgcgtgcc caacagcaag ctgagaggac ggcagcctct actttcaaag actttgagct     1020
ggcatcagcc cagcagaggc ctgatatggt gctgcggcag cggtttcggg gacttctgcg     1080
gcctgaagat cgaacaaaag atgtcctgac caagccaagg accaaccgct ttgtgaaatt     1140
ggcagtgatg gggctgacag tggcacttgg agcggctgca ctggctgtgg tgaaaagtgc     1200
cctggaatgg gcccttaagt ttcagctgca gctgtttccc tgaaagccag agaagacctt     1260
cctcttacat cacattaagg caccactca ctaccttggc gtcgattttt gggctctgact     1320
tgactcgtca actgctggtc tctccacct gggttgaaat gtcgttgga acttgcaaag     1380
actctccaga ccttagggaa caagaggcat cactcagtc ttctgggaca gcttccctgt     1440
aagcaaagcc aggtttgttc tagattcact ctggccttga aaaaaaagt ctttttgcg     1499
```

<210> 5267

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (718)...(444)

<223> similar to gi4538665 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5267

```
cgtcgacttt ttttttttcc tggacagcat ttcattttat tatgtaactg tagaaagcct      60
tgatcaagat aaaaataggg atgacttadc agaaactgaa gaattttctt aggaaagcaa     120
agtttactga aggatacctt cattccagcc atgatgaacg tctgtcttct caggcaatca     180
tgatgaagct ccagggacag tataacccat ctctccact catccctgag ccttggctct     240
```

ggactgaatg	tggttagagg	ttgtggaat	aaaaaaaaaga	accaaataa	gaacactctc	300
cataaaagcc	aagctcagag	actggtcctc	ttttgcttag	gtacaacagg	agcaggaagg	360
atcaacattc	ttgaaagcat	accttctatt	catttggtt	ttttgacttg	gggcgccagt	420
gtagagctga	gcactccact	gccctttctc	cactcacaaa	tgtctgcata	ggtacacgtc	480
cggcacttcc	aagcctcctc	cacgtcaact	ccctgggget	ctcggtggcc	catccagtag	540
gccatataat	gctgcacctt	ggctctcacc	tccttctctt	tgaaggctac	aatctcagta	600
cccagcacag	tggcagtctc	ttggtggata	tactcaatct	tcaagatata	aataactggg	660
aggtctgaca	gtgttagaga	caagaagaca	agttccatga	ggtcacccaa	agacttcaca	720
gagaagcctc	cctgctgggc	atgcctcagc	actgatggcc	ccagtggctt	ttctagaccc	780
aactttgtgt	ggtggattag	gctagcaggg	gtcacttttc			820

<210> 5268

<211> 1046

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (772)...(593).

<223> similar to gi1903220 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5268

tttttttttt	tgattcgcta	caatgagttt	attggaacaa	cagagtgaaa	caaagacaaa	60
ggagaaggca	gcagagtcac	tagtttttca	gaagctcttg	agggcagccc	cggaagggag	120
atgttctccc	cacacgcgtg	ggcctgtccc	tcgcagagtc	atagaaccac	tatccagggg	180
ccgcgtctcc	attccacagg	caaaagcaca	tgggcagagt	cccaggtcgt	gcagacaggg	240
acattcccgg	gcctcccccg	ttcttccaag	ctttggggaa	gagctcaggg	aagaccaatg	300
tatacagcaa	aaaaaaaaaa	gaaggtaggg	ggaagaaaaa	gatgaatcct	cgggacaaac	360
aattgactac	caggaaaagc	tacagagaga	gacctgggcg	cctcccggcc	ctcccgggac	420
tcctgcgctc	ggggatggct	cccggagcgg	agcgggtggg	agggcgctta	gagtgcaggg	480
agcggggcgg	ggctactggg	aggccggcgc	gggcggcgcg	ttctgggtgg	gagaggtact	540
ggctgggtgg	agagtgcagg	cgacaggcgc	tggcggaggg	ggcagcctcc	tagcacctct	600
tacagctgcc	gccgcagacg	ccaaccgggg	cggagggggc	gcaggcgcta	gtagtgccca	660
ccaccaagtt	gctgttgctg	gggacgctac	tgactctggt	ggagacaaca	ggggcagtag	720
tggaggcgca	gagatcgcca	cagacaacgc	caccgcggga	gctgctgacg	cctgcagggg	780
aaagagacgg	aggcgcgcgt	caggcgcagc	cgcgacctgg	gtgagtggct	ttgctgcgag	840
cccacgcgcc	ctttgcccag	aggctcccag	acccgcccag	cgggaggagg	ggacggaccc	900
cactacttac	agacattcac	cgagccgacg	ccctcgacac	gcctgcaggg	agagaaggcg	960
agaggtcagt	gccgcggaaa	aggcgcgggg	cccccgtagc	tgaagtggag	ggggacatct	1020
gtggccctcc	atctgggcac	ttgcca				1046

<210> 5269

<211> 1701

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (37)...(793)
<223> similar to gi1067223 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5269
ggggccgcgg gggcccccgc tgctgcgcgc gcgggctacg cccacttgct gaacgtgcag      60
ggccggacgc tctatgacgt catcttgtag gggctccagg aacactcggg ggtgtctggc      120
ttccttctgg agtgtgacag ctccgtgcag ggcgcgctgc agaagcacct cgcgctatac      180
aggatccggc ggaaggtcac ggtggagccg caccgcgagc tgcgagtgtg ggcgggtgtg      240
cccagttccc ctgaggcctg cggggctgca tcgctgcagg agagggcagg ggctgccgcc      300
atcctcatcc gcgacccgcg aacagcacgc atggggtggc ggctcctcac ccaggatgaa      360
ggcccagccc tgggtgcccgg gggccggctc ggggacttgt gggattatca ccagcacgca      420
tacctgcaag gcgttcctga ggggggtccg gacttgccct ctgggggtggc cctgcccctg      480
gagtccaacc tggccttcat gaacggcgtg agcttcacca aaggctgcta cattggccag      540
gagctgacgg cccgcaccca ccacatgggc gtcacccgca agcgcctctt ccctgtccgg      600
ttcttggaac cccttcccac cagtggcatc acccctgggt ccacgggtgt gactgectca      660
ggacagactg tgggcaagtt cagggtgggc cagggaacg tggggctggc cctgctgtgg      720
tcagagaaga tcaagggctc tctgcacatc agagcctctg agggtgccca ggtggcctta      780
gccgcatctg tgccagactg gtggcctaca gtctccaagt agtccgaagc cttggctggc      840
gcaggctgat ggggaggctg gggcctgggg cctttggcct ctgtccaggg tcttcccgtc      900
ccatctgtct gctgcgccta ctgggtggga gccctggttt ccatctggga aagtccccct      960
tgtaggtgcc ctgcctggcc ccacccatgc tcaggggccc caggcacgtg ggttgttttc     1020
tccctggact tcctgtggcc ccagaggagc ccaccgtgtg agtgctgggc tccagatggc     1080
gccgggtccc aatcgtggct ccacacaggg ttgtctggga ggacgggacg gtgtctctgg     1140
ccagcactgg cagcttccgg gccttgtagc cctctctgcc tggcatgagc ctcatggggg     1200
gttgggtccc gtgcctggaa gcggggtggg gtccagggtc tgcaggctgg ggctcgggct     1260
ttgggagttg ttctactgtg cttgcttcca gcatgtctca ggggtggggc atgcgtggtc     1320
tagaggggtc tggggcattg gatcagggtg catgtgggtg tctacacatc gagaagcaca     1380
cagggatgag ccactaggta tcccatgctg gaggcttggt gaaggctgtg cccatctccc     1440
atgtttcccc acctctgttc ctctcagag ccctccagga gcgtgggggt ggggccagcg     1500
cagggtcag gagccagcag ggcagagttc tgctgtgtg tgctgggttt tggcatagcc     1560
tgtgtttgca gtgagagtga cttgctgtca gtcacggggc acagcctcct gttcacccac     1620
tggttcccc cttcccactg aagtgtgagc tctatgtttc agggcatcta ttaaagagtg     1680
agccacaggc aaaaaaaaaa a                                     1701

```

```

<210> 5270
<211> 712
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (75)...(481)
<223> similar to gi2760483 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5270

tttcgtaaaa	acagagcg	gg	aggtattggga	ggaggataag	ctggggaaga	ggctggccac	60
actggttgct	ataaccacca	ccacttccg	tccgttcctc	tttacggccc	acctcagcgc		120
tgcccgcgcg	aaatttgat	ccctctgctt	gtgtccactg	gctcctgggg	agcagcgcag		180
ggaggaggag	gaggaagata	tcaaagagcc	ctcccatgg	gggcccaga	tcgccacttc		240
cggtgaccag	aggtagggaa	ggaaacaatc	cgcacccgga	gtggacaggt	gaggagggga		300
ggacttgctt	cgccgaggcc	gctgcgagga	gcggtgccc	ggggaaggt	ccagggaacc		360
cggctcccgc	gcaccgaaga	cgcccgccat	gcccggccgt	tgtgtggccg	cccactgcgg		420
caacaccacc	aagtctggga	agtcgctgtt	ccgctttccc	aaggaccggg	ccgtgcggct		480
gctctgggac	cgcttcgtgc	ggggctgccg	cgccgactgg	tacggaggca	atgaccgctc		540
ggtcactctgc	tctgaccact	ttgcccacgc	ctgttttgac	gtcttcttcg	gttatccaga		600
agaacctgcg	cttctcccag	cgccctgaggc	tggtggcagg	cgccgtgccc	accctgcacc		660
gggtgcccgc	cccggcacct	aagaggggag	aggagggaga	ccaagcaggc	cg		712

<210> 5271

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (733)...(330)

<223> similar to gi4704324 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5271

tttttttttt	ttggtgaaac	ataatgtttt	taatttcaca	cctcacagag	cacagttgaa	60
tgcttcataa	cgacataaac	aaaagttagg	ctaagcactg	cagacgagtt	gggagggcaa	120
agatagcttc	ccctgtggtc	tgcactccag	gtttgcgagg	gaatatgtaa	ctaacaact	180
gcttggtctaa	ggccacagaa	atgtgtttcc	tggtgttttg	gctgctgacg	ccagtcttct	240
ctgacaaaga	tgtgttaaca	ctgggtgcaa	caaaactgaat	ctctttccta	agatcagtca	300
ggaaaattca	tgtcttattt	cttcttggtt	ttcttttttg	tggtgtcata	agcacggatg	360
acttcttctc	gactaacagc	tccgtgttct	tcttgagaaa	aagcataccc	atgcgggacg	420
ccctgctgca	gggagctgcc	ccggaacagc	gtcggggggc	tcttcgggcc	cagcctcttg	480
atcaggcggt	cgcgctcggt	cagcctcttt	ccattgctat	cccgcagcac	cgcttttccc	540
aggactcgag	acttggtttc	cagctcctgc	acctcctcca	gcaatgtctt	tttgaggtg	600
tgcttggtg	ctctccatgc	cacatcttca	atcaaacagg	cagtaggaac	cagaaataat	660
cccaaccaga	agtgtgcgga	gctcaggacc	atagttgcct	gtcctctcat	atctggagca	720
atgggaatgg	tgg					733

<210> 5272

<211> 1336

<212> DNA

<213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (117)...(1030)  
 <223> similar to gi4589624 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5272  
 acaagcctgt gagcaagcac aagcgggatg agttggtgag agccattgaa tcacccttgt 60  
 agacctgaa ctatcctgca gagaacagct tcaatcaccg tccttacacg gcttgtgatt 120  
 tcatagaagg gatctaccga acagaaaggg acaaagggac attgtatgag ctcaccttca 180  
 aaggggacca caaacatgaa ttcaaacggc tcactttatt tcgaccattc ggccccatca 240  
 tgaaagtga aaatgaaaag ctcaacatgg ccaacacgct tatcaatggt atcgtgcctc 300  
 tagcaaaaag ggtggacaag ttccggcagt tcatgcagaa ttccagggag atgtgcattg 360  
 agcaggatgg gagagtccat ctcaactgtt tttactttgg gaaagaagaa ataaatgaag 420  
 tcaaaggaat acttgaaaac acttccaaag ctgccaaact caggaacttt accttcattc 480  
 agctgaatgg agaattttct cggggaaagg gacttgatgt tggagccgc ttctggaagg 540  
 gaagcaacgt ctttctcttt ttctgtgatg tggacatcta cttcacatct gaattcctca 600  
 atacgtgtag gctgaatata cagccaggga agaaggtatt ttatccagtt cttttcagtc 660  
 agtacaatcc tggcataata tacggccacc atgatgcagt ccctcccttg gaacagcagc 720  
 tggtcataaa gaaggaaact ggattttgga gagactttgg atttgggatg acgtgtcagt 780  
 atcggtcaga cttcatcaat ataggtgggt ttgatctgga catcaaaggc tggggcggag 840  
 aggatgtgca cttttatcgc aagtatctcc acagcaacct catagtggta cggacgcctg 900  
 tgcgaggact cttccacctc tggcatgaga agcgtgcat ggacgagctg acccccgagc 960  
 agtacaagat gtgcatgcag tccaaggcca tgaacgaggc atcccacggc cagctgggca 1020  
 tgctggtgtt caggcacgag atagaggctc accttcgcaa acagaaacag aagacaagta 1080  
 gcaaaaaaac atgaactccc agagaaggat tgtgggagac actttttctt tccttttgca 1140  
 attactgaaa gtggctgcaa cagagaaaag acttccataa aggacgacaa aagaattgga 1200  
 ctgatgggtc agagatgaga aagcctccga tttctctctg ttgggctttt tacaacagaa 1260  
 atcaaaatct ccgctttgcc tgcaaaagta acccagttgc accctgtgaa gtgtctgaca 1320  
 aaggcagaat gcttgt 1336

<210> 5273  
 <211> 1045  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(955)  
 <223> similar to gil420005 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5273  
 aatttctgcc atttgaagga aaagtgaatt taaagaaacc gcaacatgta ttttctgttt 60  
 tggaggatta tggtttagac ccaaactgca tccctgagaa tccacataat atttattttg 120  
 gtagatggat tgcagatgga cagagagagc ttattgagtc atacagtgtc aaaaagagac 180

actttattgg	aaatacaagt	atggatgctg	gtttgtcatt	cattatggct	aaccatggaa	240
aagtgaaga	aaatgatatt	gtctttgatc	catttggttg	aacaggtggc	ctgctgatag	300
catgtgctca	ttttggtgca	tatgtgtatg	ggacagacat	agactacaac	acagttcatg	360
gcttgggaaa	ggctactagg	aaaaaccaga	agtggagagg	accagatgaa	aacattaggg	420
ccaatcttcg	tcaatatggt	ttagagaagt	attaccttga	tgctctgggt	tcagatgcat	480
ctaaaccttc	ctggaggaag	ggcacatatt	ttgatgcaat	cattactgat	cctccatatt	540
gtatcagaga	atctacaaga	agaacaggtt	cacagaagga	gataccaaag	gggatagaaa	600
aatgggaaaa	atgtccagaa	agccatgttc	ctgtttcctt	gagttatcat	ctgagtgata	660
tgtttcttga	cctgttaaac	ttcgcagctg	agaccctcgt	tttaggtgga	agactagtct	720
attggttacc	ggtgtatacg	ccagaataca	ctgaagagat	ggtgccttgg	cacccttgcc	780
tggaactcgt	tagcaactgc	gagcagaagc	tttcagtgca	cacatcaagg	cgcttgatca	840
caatggaaaa	ggtgaagaaa	tttgagaatc	gggaccagta	ttcacatctg	ctaagtgatc	900
atthttctgcc	ataccaaggt	cataattcct	tccgtgagaa	atatttttagt	ggggttaacaa	960
aaagaattgc	caaggaagaa	aaatccaccc	aggaatgaaa	attaagattt	tgtcattgat	1020
gaaagaataa	gaatttgatt	taaaa				1045

<210> 5274

<211> 1188

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (23)...(581)

<223> similar to gi4469173 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5274

attcccgggt	cgacgatttc	gtcacaaatgc	ccgccggggc	ttcttcttct	cccatattgg	60
gtggctgttt	gttcgcaagc	atcgagatgt	tattgagaag	gggagaaagc	ttgacgtcac	120
tgacctgctt	gctgatcctg	tgggtccggat	ccagagaaaag	tactataaga	tctccgtgggt	180
gctcatgtgc	tttgtgggtc	ccacgctgggt	gccctgggtac	atctggggag	agagtctgtg	240
gaattcctac	ttcttggcct	ctattctccg	ctataccatc	tcactcaaca	tcagctgggt	300
ggtcaacagc	gccgcccaca	tgtatggaaa	ccggccctat	gacaagcaca	tcagccctcg	360
gcagaaccca	ctcgtcgtc	tgggtgccat	tgggtgaaggc	ttccataatt	accatcacac	420
ctttcccttt	gactactctg	cgagtgaatt	tggcttaaat	tttaacccaa	ccacctgggt	480
cattgatttc	atgtgctggc	tggggctggc	cactgaccgc	aaacgggcaa	ccaagccgat	540
gatcgaggcc	cggaaggcca	ggactggaga	cagcagtgtc	tgaacttgga	acagccatcc	600
cacatgtctg	ccgttgcaac	ctcgttcat	ggctttgggt	acaatagctc	tcttgatcat	660
tggatcgtgg	gagggggcag	aggggtggga	aggaacgagt	caatgtgggt	tgggaatggt	720
tttgtttatc	tcaaaataat	gttgaaatac	aattatcaat	gaaaaaactt	tcgttttttt	780
ttttgtttgt	tttgtttttg	agacagagtc	tcactctgtc	acccaggctg	gagtgcagtg	840
gcgagctctc	ggctcactgc	agcctccacc	tacctgggtc	aagcaattct	cctgcctcag	900
cctcctgagt	agctgagatt	acaggagcct	gccaccacac	ccagctaatt	tttttgattt	960
tttagtagag	acagggtttc	atcatgttgg	ccagactggc	ctcgaattcc	tgacctcagg	1020
caatccaccc	gcctcggcct	cccaaagagc	tgggattaca	ggcgtgagcc	accgcaccct	1080
gccgaaaaaa	actttttttt	ttttgagacg	gaggtcgtct	ctgtcccca	ggctggagtg	1140
cagtggcgag	atctcagctc	actgcaagct	ccgcctcccg	ggttcacg		1188

<210> 5275  
 <211> 2402,  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (360)...(1355)  
 <223> similar to gi4104634 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5275

cgcagtc	cccc	gagcgagacc	aaacaggtgg	aatccgggct	ggagccggag	ctccggcggc	60
gcgggtg	gcg	gcacgtccct	ccagacagta	ccacaggcac	ctggagtacc	ggcatcggtc	120
gctgtgg	cccc	ccgagtgtcc	gtcagagcct	aggggagcct	gccctccgc	gcctcgtcgg	180
ggccccg	gcc	acaccttg	ccgccggcgc	acggacgcgg	gcacgagcac	tagatcacgg	240
ctgctgg	acc	tcggcacgtt	gacaagattt	ctctggggta	ccgcggagga	ttactttgaa	300
tttcggt	ggt	cgctgtggt	ctggcatatt	tagaacttaa	gtctattatt	tcgggcacca	360
tgacttt	gag	gcttttagaa	gactggtgca	gggggatgga	catgaaccct	cggaaagcgc	420
tattgatt	gc	cgcatctcc	cagagctgca	gtgtggcaga	aatcgaggag	gctctgcagg	480
ctggttt	tagc	tcccttgggg	gagtacagac	tgcttgggaag	gatgttcagg	agggatgaga	540
acaggaa	agt	agccttagta	gggcttactg	cggagactag	tcacgccctg	gtccctaagg	600
agatacc	ggg	aaaagggggg	atctggagag	tgatcttta	gccccctgac	ccagataata	660
cattttt	taag	cagattaaat	gaatttttag	cgggagaggg	catgacagt	ggtgagttga	720
gcagagc	tct	tggacatgaa	aatggctcct	tagaccaga	gcagggcatg	atcccgaaa	780
tgtggg	cccc	tatgttggca	caggcattag	aggtcttca	gcctgccctg	caatgcttga	840
agtataa	aaaa	gctgagagt	ttctcgggca	gggagtctcc	agaaccagga	gaagaagaat	900
ttggacg	ctg	gatgtttcat	actactcaga	tgataaaggc	gtggcagggt	ccagatgtag	960
agaagaga	aag	gcgattgcta	gagagccttc	gaggcccgac	acttgatgtt	attcgtgtcc	1020
tcaagata	aaa	caatccttta	attactgtcg	atgaatgtct	gcaggctctt	gaggagggtat	1080
ttgggg	ttac	agataatcct	agggagtgc	aggtcaaata	tctaaccact	taccagaagg	1140
atgaggaa	aaa	gttgctggct	tatgtactaa	ggctggagcc	tttgttacag	aagcttggtac	1200
agagagg	agc	aattgagaga	gatgctgtga	atcaggcccg	cctagaccaa	gtcattgtcg	1260
gggcagt	cca	caaaacaatt	cgcagagagc	ttaatctgcc	agaggatggc	ccagccctg	1320
gtttctt	gca	gttattggta	ctaataaagg	attatgaggc	agctgaggag	gaggaggccc	1380
ttctcc	aggc	aatattggaa	ggtaatttca	cctgagtctc	agggaaaccac	gaagggatat	1440
ggcaac	gagt	agagcatgaa	ggtagaacag	tctatatact	cttgtgacac	atacaatccc	1500
taccttg	tgc	tgccaagtaa	ctcatttttg	tgcaattctc	agtataagcc	ctttgtcggt	1560
tctatgc	ccta	tttaaagtct	cctaaagggt	taattgacta	ggaaggatgt	agttctacac	1620
tgccatt	tac	ctatttaa	tcaccttgt	gaatatcttt	gttggtgttg	ttgagacaga	1680
gtctcg	tct	gtcaccagg	ctggagtgc	gtggcgat	cttggtcac	tgcatcctcc	1740
gccttcc	agg	tttaagctat	tctcctgcct	cagttgccc	agtagctggg	actacaggca	1800
tgtgcc	acca	cgcccagcta	agttttgcat	tatcagtaga	gacgggggtt	caccatgttg	1860
gccagg	ctag	tttcgaactc	ctgacctcaa	gtgatccacc	tgcttcggcc	tctgaaagt	1920
ctggg	attac	aggcgtgaga	cactgcgcc	agcctcatcc	ctgtgaattt	cttattgtac	1980
acaagt	tctt	tcactatctg	tgtgcagtgc	tctgagggga	cagacaaggc	ttgggtgtat	2040
atgcca	acca	gatctcattg	aagtatcagc	ttgtttggta	ctaggtgcaa	gtgtagcatg	2100
tcacat	gtga	ccatgttggg	atccattgac	aatttttagg	gtatgtactg	gcctacattt	2160
atgatga	aga	tctgagcgg	aggtaagat	attaagttat	tttccatag	aatcagaatt	2220
atattga	ttc	tgtgcaatca	aaacaaaagg	cagaatagaa	tgctgagatt	ggttaagttt	2280
gcaatga	cca	tcttgaacca	cagatttctg	ctatgtgtca	tcaaaacatc	tagttctgag	2340

taacattttc acgattgtta taaaattata ggtgtgaact tctaaaataa aggaatgcta 2400  
at 2402

<210> 5276

<211> 3009

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(521)

<223> similar to gi63803 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5276

tttcgtgccg	tgcaagctgc	ttatcccaga	gagagatcca	ttggaggaaa	tagcagaaag	60
ttctccccag	acggcagcca	attcagcagc	tgagctgttg	aagcaggggg	cagcctgcaa	120
tgtgtggtac	ttgaactctg	tggagatgga	gtccctcacc	ggccaccagg	cgatccagaa	180
ggccctgagc	atcacccctg	tccaggagcc	tccacctgtg	tccacagttg	tgcacttcaa	240
ggtgtcagcc	cagggcatca	ccctgacaga	caatcagagg	aagctcttct	tccggaggca	300
ttaccccgtg	aacagtgtga	ttttctgtgc	cttggaacca	caagacagga	agtggatcaa	360
agatggccct	tcctcaaaag	tctttggatt	tgtggcccgg	aagcagggca	gtgccacgga	420
taatgtgtgc	cacctgtttg	cagagcatga	ccctgagcag	cctgccagtg	ccattgtcaa	480
cttcgtatca	aaggtcatga	ttggttcccc	aaagaaggtc	tgagaactcc	cctccctccc	540
tggacccacc	gatgcctctc	gaagccctgg	agacagccgt	tgggtgaggg	tggggccccc	600
actttttacc	aaactagtaa	acctgacatt	ccaggcccat	gaggggaaag	aggatcttcc	660
agctctgcaa	aaacaagaac	aaacaacatc	accgtgaatt	ggcctttcct	gaaagtgact	720
tatctgacac	atctctgtag	ccacatgctt	tttgggtaga	agaagctggg	catgggtgca	780
ccccaccccc	tagggctccc	atgggaaagg	gacatgcaag	gaaacagcac	agaacacgag	840
gtggtcccca	tgtccctggc	acactagcat	tccgggggat	gaggaatccc	cagcccttga	900
ggcagaggtg	ccgagtgcct	gccatgcttc	gcccgtccgc	atgggcgctt	ctgtccagct	960
gcacccgagg	cggggggttt	ccctcacctc	ggtcttccca	agatggagat	gctaacgaaa	1020
ctgagaaggg	ggcgtatgtt	tgacgaaggt	ttgtgcaagt	caggcccttc	tggaaacacag	1080
cagggccctac	aacgaggggc	ctttgcgatg	ggctgtgagg	atgggggttg	tgggaagaat	1140
tggccacgtt	agagacccca	tgccacccca	ccatggtgag	tgctctgtgc	ctcctgctca	1200
cctgtggtga	gctgggcgag	ctgggcgagc	tgggcgagct	gggctgggga	gagcctgtga	1260
ggaccgagag	gagaaatgag	aagaaggaac	aaaaatatta	tttctatgta	atztatattt	1320
tacttatgcc	aaattattta	tgataatttg	ccattgctat	actgtaccag	tgtcaaatgc	1380
tgcagcctgc	caagctgtga	ttttgtgagg	cttgcccta	tgtaggatgc	accgcaggcc	1440
cctggccact	gaaagagtgt	gcagtggact	gtgggtctcc	catatgcggt	gccgcccaaa	1500
ggtggctttg	cctcaagcaa	cctaccctga	tgttttactc	attggaatgt	ttttccccga	1560
ttgtgggatg	actcttttct	gatggagaga	gtccaggagg	gatggaaaac	gcctggattt	1620
aagctcagca	tccccacat	gggcttttgc	atcatcttca	ggcctgaage	tgcacgacct	1680
gaagttegcc	tgcattttatc	agccctcttt	gtgctgctcc	ttgccacctt	ggggttcctg	1740
ctggggacca	tgtgtggttg	tggcatgtgt	gagcagaagg	gaggatgagg	aaaaagagaa	1800
gaaaccccg	tactgacaag	ctgtttttga	gtgccactgt	ttgccatcat	ctaagccact	1860
gaatcaagt	tatttcaggc	ttatttcaac	attccaatgc	cctgggtttc	ctgcttgaat	1920
ctgttcgtgg	tcaaagggtt	gggggaattt	gtgaccctgg	aacatcccca	gagtgaagaa	1980
tggagctggg	ccacatcaga	ataaggcctt	ggccccatcc	tctcacagcc	taggtgctct	2040
gcaggcatgc	tgactgtcct	gattgcgac	cagcccga	ttccctctc	tgttttcaaa	2100

agtcaaattcc	cccattctta	ggccacactg	gtgtcacaa	ctcctgtcag	ggagctgggg	2160
tttgggaatg	tgtttgtga	actctgcttt	aaagtgaagg	gccgaggaaa	acttagaaac	2220
aggcagagtt	ggaagcagcc	aaatcacagt	gggtgtgtgt	tgtgtgtgcg	tgtgtgcatg	2280
cgtgcgtgta	tgcgtgtgtg	aaagcaggtg	gaccattcca	cttttttagct	cctattgatg	2340
caccaaacca	agtgcctcat	ttctgtgcca	aatgtttgcc	ttggtcggtg	tggacctcct	2400
tctctaactt	gcggtggcat	gactgtcagg	agggtgtggc	attttcagca	gacccatcat	2460
tgttgacctt	gatgtcttta	gcagaggcct	ctagcatctc	ggtttttcat	ccactgcagg	2520
aatgtggcca	cagggagcag	aggtttgtac	tttccccaag	aggtcctcat	cctgagacgg	2580
tctctaccca	tgtttaaccc	aaagagtgca	ggccagggtt	cttatccctc	tgatgaagga	2640
tgagagagct	catttagaag	tcagagcaaa	ctaggggtct	agtattgaga	aacgcagcct	2700
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cggcattcag	gaagccctgc	aaacgtgctt	tttgaactca	ttggccagg	gtgattttta	2820
cacaaggtaa	acgtggtcaa	gggcatcggt	gaatttgctc	caagcagata	gctccctctg	2880
aggaacccaa	ggaagcaagt	ttccacgatt	tctgaagagc	tggtatagga	agtttctttc	2940
ttccttttgt	gttacatgtg	cattaaacag	aacaagctgt	gtgtcatcac	agattgtact	3000
gtgggctca						3009

<210> 5277

<211> 873

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (129)...(618)

<223> similar to gi289622 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5277

gaattcccgg	gtcgacgatt	tccttgacgc	taatgggggt	gtggctggga	ccctggggca	60
gatttatgtt	tagccctcc	cacggagggt	gccgctgtaa	ccccagcttc	ctccccggc	120
ccccaggcgt	ctctagcgtg	gagggtccagt	ggatcccggc	cctgctgccc	tcttactgcc	180
agtttgacaa	gcccctggag	gaaccagccc	ctacatactg	ccccgagcgg	gggcgggtgc	240
tgtgtcaccg	ggccagcgtg	ttctatcgcg	tgggtggtgc	gctccccgcc	atcgagggtg	300
attttcagaa	ggggattgac	cgctacaagc	actttgcccc	gttcctgctg	gaagggcagg	360
tcttcgcaa	gctggcctca	taccggagct	gtctgctgtc	cagccccggc	accatgctga	420
agacgtgggc	caggctgcag	ccccgtacgg	agagccttct	gcgagccctg	gttgacagaga	480
aggctgactg	ccatgaagcc	ttgctggctg	cttgggaagaa	aaaccccaaa	tacctgctgg	540
ctgagtactg	tgagtggctt	ccacaggcca	tgcaccccga	tatcgagaaa	gcctggcccc	600
ccaccactgt	ccactgacca	gaaacctggc	tgcagggccg	aggactgggt	tggggactgg	660
agggtggtga	gcagctggtc	accgtgacgc	cgtgaccacc	tggcatgggc	ttcgtggcct	720
gctctcagga	agtgggtcaa	gccctgggaa	ccctcatcca	tgagagctcg	atcccgtatg	780
aagggtgctg	ccgcccgtgc	catctggccc	gggggtgact	ttttgaactg	tttattatat	840
ggtgatgat	gatttcatct	cacgtgctgg	aaa			873

<210> 5278

<211> 1489  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(497)  
 <223> similar to gi3930525 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5278

tttcgtaaag	tggagtgcac	ccccagccgg	gagcacctga	agcaccagac	cgtctaccgc	60
ctgctcaagt	gcgcgcccag	gggcaagaac	ggcttcaccc	ctctgcacat	ggctgtggac	120
aaggacacca	caaacgtggg	ccgctatccc	gtgggcagat	tcccctccct	gcacgtggtc	180
aaagtgtgc	tcgactgcgg	ggccgacccg	gacagcaggg	attttgacaa	caacaccccg	240
ctacacatag	cagcccagaa	caactgcccg	gccatcatga	atgccctgat	cgaagcaggg	300
gccacatgg	acgccacca	tgccttcaag	aagacggcct	acgagctgct	ggacgagaag	360
ctgctggcca	ggggtaccat	gcagcccttc	aactacgtga	ccctgcagtg	ccttgcggcc	420
cgggcccctg	ataagaacaa	gatcccttac	aagggttca	tcccgggaaga	tctggaggcg	480
ttcatcgaac	tgcactgacc	tgcccagaac	gcctgcaccc	tcacctctcc	cctctcctgc	540
tgagatgggg	gaaatccggc	tgcggcatag	cagatgtctg	ttcttgcttc	cttcaggcac	600
caatcaggag	aagggttctg	cctcccatcc	cctctacctg	cagacagggg	cggaggtggt	660
agcgagcctt	tgggtctaga	agcctgcggg	gtcatgtgct	aagaggacag	tctttctccg	720
ggagcccgtc	cactcattct	gagttaggaa	aagacacaag	accttcccca	catcctgtct	780
gcctgggtta	gggaggcctt	tgccttggtta	cctagaggcg	gagggactga	agccattgcg	840
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tacctggcca	gataactcca	gccgctgaat	acagtgttag	gactgggggg	tcctgagatg	960
agagtttgag	attcagggaa	tgagaccacc	tctcatttct	tccagcatga	tcgcgccctg	1020
ctcccgtgcc	accgtagtcc	ctggcagaca	ggcagggtc	tgcccagggg	agcctgccac	1080
ttgcatagct	ttcggttggt	ttggtgttct	gtttatttaa	taagtgggca	ggttgcaagc	1140
gttgacacaga	aattctgaga	ttttactgcc	tttttttttt	tttaaaaaaa	gtggttgggg	1200
ggccccctta	aggggaattt	caacccgggg	ggattttggg	ggccctgaaa	gggccgaggc	1260
cccaggggag	gacctgtttg	tgtgaggaat	ttggggagcg	agaaaaaagc	ccacgggggc	1320
accccttaaa	acagggggga	ccggcctttt	ttatactttt	ccactttagg	gcttttaaca	1380
ggttttccga	ttttacaggc	ttttccaggt	ttcctttttc	tttagagaaa	agacgggggt	1440
tccaaacaag	attcggggag	gcccccaagg	cctgaaacct	ctttgccccg		1489

<210> 5279  
 <211> 1614  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1011)...(525)  
 <223> similar to gi3916727 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 5279
caaaactttt tttggttttt ttgtttgttc attcaacaag tgttttattga gcatctacta      60
catgccagac actattctag aaacctggga aaggaggggt tagggtagct tggagctgtc      120
ccagctgtag ctctgtctcc cagaagttag gtctgcaggg gaacaggggtc tgggggtcct      180
cctgcctggg agaggggaagg ctgagtgtat aaaaagggtg aagcctctaa aaatgagaag      240
gctgggtgtg tgggactcat gctggtgcct tcccagacga aggagagggc ccagaggagg      300
cagcttcctg gagcagagac ggcagcagga gcgcccgtgc ccggcatcac ctccctcttca      360
gcacggatat gcaggacttc ttgagggggc cgatctgcaa gtggggcgcc acactctcca      420
ggaagaaggc aggcttgagt ctgtgggtga agagcccccg aaagtgactg tccaggcggc      480
tctggaaggg gtcaatgggg gagggccggga tgccaccccg gcggggccgg gaggccttca      540
gcctccgcag gaggtctatc ttgccgtccc gtacagcata gaaggccaag gcacggtcag      600
cgtattccag gcagacccca accgtggggc agaaggggtg gggcagggga gcctccagcc      660
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ggcccagccg gccgcggtcg tagggctctt gtggggagaa gtcttcggcc atgaccccca      780
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cgctgtccaa atccacaata taggcaaact tgaggaaata gtccctggga gcttccactct     1020
ccaagaggtt cgtactctcg aggtcttggg gctcagcatc agcttccgag tccagcttct     1080
gtggcccata ctggttgcca cccggccccc tcagctgtct ccaactggtt acgcaggcca     1140
cggccagcat gtctctcact gcacggacag cttgggatga tttggtgaag ctgagctccc     1200
tcgggggtcc agggccaggg ccacacccat cctccagggc cagccttagt gccagcagct     1260
cctgtgccag acaaatgcc attaaagtgc tgctggccat ggctcctcct tgctgggggt     1320
ggaggcagct ctgccaggaa gtcatgcacc cactgcctcc tctcctcctc accccacctg     1380
tcccagcttc tgttccttcc gtggccccc aagcggcctt cacctgcagg aagctgactg     1440
agtcagcttc agggacctgg ctgagattct ggcggggtcg gctcaggcgg ctgcgctgtt     1500
cctcctgtcg ccgcagggtc ccctgggagc ggccatagcat ggcagaatcc cctcctcga     1560
tgaagccag cacctgggtc tggaagccct gacgaaatcg tcgacccggg aatt          1614

```

<210> 5280

<211> 2157

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2114)...(1712)

<223> similar to gi4929585 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5280
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agcctatgca catggaatat gcgccattta gaaccgtgga attctgggcc cagctggact     180
cagccagcac agagcaaaca ctgttagtaa tgatttgaac acttttttga atactcggta     240
tatctcactt cccgtggcat gatgaaaaca aacatttatt gaacacgaac tatgtgctag     300
atgtaccctt tgtctttatg ttgcttatgg tctggggagg aaagagacgc taaacaagta     360
accacaagtt tataagtttt acaaaaaggg cagatgatat gccacagaga tgcagaacag     420
aggggtccga gtctagttta gggaatcagg ggaaggcatc tctgcataag gaatatttga     480

```

gctgagatcc	agaggatgag	aggaagttag	agcaggatgc	agggagcagt	acatgtgtgg	540
gcttcccttg	aacttaggaa	gaaagggtgt	ttaatgggca	gcaggaagta	ctaagctcca	600
cctctctact	gtgaactggg	gcttgcccca	tccacactgt	ggatctcgac	tcctcatttg	660
tcatgagtgg	ttggctgaga	gggcctgtgc	tgacctggac	tctgggctgg	gtctagcggg	720
caaacgccac	actaaaagga	gaaggagtgc	tgggtaggca	ggcaaccctc	aggactccct	780
tctctcaggc	atcacacagg	ctgttgcgaa	ttcagcacca	ccagtgatca	gagcaatttt	840
aaacatcatc	cccaccggtg	atttttactc	gtttctttat	taatatagaa	aaggagccca	900
gggcagctgg	accagtagta	caaagcacca	ggagttaata	ccattctggt	gaaggggatg	960
gttttacaaa	agtgaaggag	caggcaggag	ccaccagggt	ctgaggccag	gcccagccta	1020
ctgcccagaa	cccctgaaac	ggctccctgg	gaaaaagctg	acagatgggt	caggggtgga	1080
ttgagctgga	aaccatgggg	acagatggca	gggatagagg	gtcatgcagt	gggaaccacc	1140
cagtggctga	taaggacagg	gaacttgttg	ctggaggctc	cccattgggc	catgggcagg	1200
ggcttgca	tgacctcagc	tctgggggca	ggtagagaaa	ctgcagagac	tgatgggcat	1260
ggagaaccca	gacatggccc	tggggctgaa	gggcctttcc	accctctctt	caccaggagc	1320
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cgggcactca	gtgagtcct	gttgaggatc	cagagaccca	cgcgcgcccc	aaaaccatgc	1920
accatcacca	agggggtgcg	gtcgttttgc	tcgggggtca	cagtcaccgt	ccagatctta	1980
ttttggtttg	ggaggggatac	atatctggcc	aggaacttat	tctggagaca	ctggaggatc	2040
ctggcttcca	cattcttcag	ctgagacatg	taagtggggc	gccacgtaaa	cagccagcta	2100
ctcagccagc	cttgagcctg	ctgctccaga	tcatgcgaaa	tcgtcgacca	ggggatt	2157

<210> 5281

<211> 1691

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (7)...(798)

<223> similar to gi558671 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5281

tttctgtcca	tcattctccgt	gctgccttgg	aagagaatcg	tggccgtgtc	ggccaagaag	60
aagaactcca	agaagggtgca	gccccacagc	agctaccaga	acaacatcac	gcacctcaac	120
aatgagaacc	tgaagaagtc	gctgtcgtgc	gccaaacctgt	ccacattcgc	ccagccccca	180
cgggccagc	cgctgcacc	cccggccagc	cagctctcgg	gttcccagac	cgggggctcc	240
tcctcagtca	agaaagcccc	tcacctgcc	gtcacctccg	cagggacgcc	caaacgggtc	300
atcgtccagg	cgccaccag	tgagctgctt	cgctgcctgg	gtgagtttct	ctgccgcggg	360
tgctaccgcc	tgaagcacct	gtccccacg	gaccccggtc	tctggctgcg	cagcgtggac	420
cgctcgctgc	ttctgcaggg	ctggcaggac	cagggcttca	tcacgccggc	caacgtggtc	480
ttcctctaca	tgctctgcag	ggatgttatc	tcctccgagg	tgggctcgga	tcacgagctc	540



caggecggtcc	tgctgacatg	cctgtacctc	tctactcct	acatgggcaa	cgagatctcc	600
taccgcgtca	agcccttcct	ggtggagagc	tgcaaggagg	ccttttgga	ccgttgctc	660
tctgtcatca	acctcatgag	ctcaaagatg	ctgcagataa	atgccgaccc	acactacttc	720
acacaggtct	tctccgacct	gaagaacgag	agcgccagg	aggacaagaa	gcggctctc	780
ctaggcctgg	atcggtgagc	actgtttcct	gcgtcatggc	tcaaggattc	aatgcatttt	840
taagaattta	ttattaaatc	agttttgtgt	acagtatgtg	tctagcaaag	ccaccaaggg	900
cctcaccttt	cccacagtct	ctccctgggg	ttttttcat	ccctgccaa	aactctgggc	960
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tgtggagtta	ttcactctcc	cagaggctcc	tggagccagc	caccctaact	gagctgccag	1260
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ttcctgggtg	agtttttctt	ttgaataatg	tagtgacgtc	accctgtggg	caaatgccag	1620
ggacagctgc	aggtgcccat	tagcaacgcc	tgccttctgg	gcaagggtgag	ggatgccata	1680
ccttgagacc	a					1691

<210> 5282

<211> 2593

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (457)...(1154)

<223> similar to gi4587558 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5282						
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tggcgccaca	gtcggccacc	ggggctcgcc	gccgtcatgg	agagcggagg	gcggccctcg	120
ctgtgccagt	tcctcctcct	gggcaccacc	tctgtgggtca	ccgccgccct	gtactccgtg	180
taccggcaga	aggcccgggt	ctcccaagag	ctcaaggagg	ctaaaaaagt	tcatttggggt	240
gaagatttaa	agagtattct	ttcagaagct	ccaggaaaat	gcgtgcctta	tgctgttata	300
gaaggagctg	tgcggtctgt	taaagaaacg	cttaacagcc	agtttgtgga	aaactgcaag	360
ggggtaattc	agcggctgac	acttcaggag	cacaagatgg	tgtggaatcg	aaccacccac	420
ctttggaatg	attgctcaaa	gatcattcat	cagaggacca	acacagtgcc	ctttgacctg	480
gtgccccacg	aggatggcgt	ggatgtggct	gtgcgagtgc	tgaagcccct	ggactcagtg	540
gatctgggtc	tagagactgt	gtatgagaag	ttccaccct	cgattcagtc	cttcaccgat	600
gtcatcggcc	actacatcag	cggtgagcgg	cccaaaggca	tccaagagac	cgaggagatg	660
ctgaagggtg	gggccacct	cacagggtt	ggcgaaactg	tcttgacaa	caactctgtc	720
cgctgcagc	cgcccaaaca	aggcatgcag	tactatctaa	gcagccagga	cttcgacagc	780
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cgctgcgcc	tcaagcagat	gcaggaggag	ttccaggagc	atgaggccca	gctgctgagc	960
cgagccaagc	ctgaggacag	ggagagtctg	aagagcgct	gtgtagtgtg	tctgagcagc	1020

ttcaagtcct	gcgtctttct	ggagtgtggg	cacgtttggt	cctgcaccga	gtgctaccgc	1080
gccttgccag	agcccaagaa	gtgccctatc	tgcagacagg	cgatcacccg	ggtgataccc	1140
ctgtacaaca	gctaatagtt	tggaagccgc	acagcttgac	ctggaagcac	ccctgcccc	1200
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ccaggtatga	ttgagggagg	aattgggtag	aaactctcca	gacccatgcc	tccaatggca	1320
ggatgctgcc	tttccacact	gagaggggac	cctgtccatg	tgcagcctca	tcagagcctc	1380
accctgggag	gatgccgtgg	cgtctcctcc	caggagccag	atcagtgcga	gtgtgactga	1440
aaatgcctca	tcacttaagc	accaaagcca	gtgatcagca	gctcttctgt	tcctgtgtct	1500
tctgtttttt	tctgggtgaat	cgttgcttgc	tgtggacttg	gtggaggact	cagaggggag	1560
gaaaggctgg	gccccgagta	caacggatgc	cttgggtgct	gcctccgaag	agactctgcc	1620
gcagcttttc	ttctttttcc	tcatgccccg	ggaaacagtc	tttcttcaga	attgtcaggc	1680
tgggcaggtc	aacttgtggt	cctttccctt	cacctgcttg	cctccttaac	gcctgcacgt	1740
gtgtgtagag	gacaaaagaa	agtgaagtca	gcacatccgc	ttctgccag	atggtcgggg	1800
ccccgggcaa	cagattgaag	agagatcatg	tgaagggcag	ttggtcaggc	aggcctcctg	1860
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gccactggcc	tagtgtcctg	gcctcacagc	ttccttgcaa	ggctgtcaca	aggaaaagca	2040
gccggctggc	accctgagca	tatgccctct	tggggctccc	tcattccagcc	cgtcgcagct	2100
ttgacatctt	ggtgtactca	tgtcgcttct	ccttgtgtta	ccccctccca	gtattaccat	2160
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aaaccttttt	taaggggccc	caaaattcaa	taccggggcc	cgggttataa	cgctttggat	2520
gggaaacccc	tggggttcca	aaactaatcc	tcttaaaaaa	aaaggaatca	agtttctcgt	2580
atggtctctt	aaa					2593

<210> 5283

<211> 1139

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1140)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (976)...(503)

<223> similar to gi2447128 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5283

acgatttcgt	gtttctgcca	gttacactta	attttgacat	atcagtcagt	ctgggtgccg	60
aagaacttct	tagttctctt	tttgatgatc	ctgggcttca	caaggggtct	gaggggtggc	120
atgatgctga	ggaggagatg	gctgccacct	ccgtaggcag	cgccgagaga	ggggcttttt	180
gttttttgag	acttcaattt	aaattttact	ttnnnnnnnn	nnncttacia	aatacaaaagt	240
aaaaagaatg	agaacaaaaa	aaattttcag	atacccaaaa	attgaaagag	ttcataccaa	300

aagacttcac	taaatgaaca	ctgaaagacg	accttcagaa	aaaaacaaaa	tgatcctgga	360
cagtagtgta	aagatataga	aagatgaggc	catgcaggta	ggtaggtgcc	aaattatgta	420
agtcacagcat	gccaagccaa	ggaatcagag	gctccacagg	gatctaagga	ggttctggaa	480
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agccaagccg	cccatgaaaa	gctgcataat	gcacaggtct	ccattctctc	ttatcagtca	600
cactgggatc	cactccactt	cggagcatta	tttgtaaagt	gaaagaatgt	ccatgagttg	660
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ttataagagc	ctgtacacaa	gcacccctgac	ccctgattgc	agctatgtga	gatgctgtcc	780
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ccaaacttcc	agaatgtgct	gccaatgta	aaggggtaaa	cttatggaga	acatcaagtt	900
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ctgcatcatg	tatgctgcca	aaatgcacct	tcttctctgga	acaggggtgt	gcagtctcac	1020
tagagaaagt	ggaggggcct	gaattgcccc	ccccgggcct	ggcgcaacac	ctccgactct	1080
ggggaggagt	tgagtccagg	ccctgatgc	tgcgggcggtc	ttccgttgcc	gaattcacc	1139

<210> 5284

<211> 2035

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (735)...(1156)

<223> similar to gi30474 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5284

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cagcagtgcc	tgatgtcggg	tgcttgccac	agctcagcac	tgctctaata	actcatccta	120
accacaccaa	gccttgctga	gacctctgag	caatcccacc	aggagataca	gtgaggtcca	180
gccactcagg	ccacacagcg	aacaggaggc	agggctggta	tggtgtcagg	tgccaacccc	240
gactgtgccg	cctctcggct	aagcacctgt	gcagtgactg	agtgggctcg	caaacagagg	300
gctctgcagg	tggagcacc	caggcaagtc	cccaccatca	gccccattct	gcaggcgagg	360
ccccggggcc	agggatggga	gggtcttgcc	gggcatccag	cgaggagact	gcattattcc	420
tgcccaatct	ggcttcacgg	cggcggaact	gacgccacgt	cccagggcgt	tgggggctgc	480
caggcctggt	gagcaccgcg	gacatctcag	atggcggttc	tgagggttga	ggccctcggt	540
gccagcgtcc	ccgtgggcag	ttctgtggct	tccctggccc	atgtcgtcct	cttggcagtg	600
gccacatcac	agcaccaggt	gggatcaaag	gggagggcag	ctccccaggt	ggacctgagc	660
ttctcacact	ctgacaagcc	ctcgccctgt	gatccaagac	acagtggcct	ttgaaattcg	720
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agtacttcca	cctcatcaac	aggttcaaca	acgaggatgt	ctgcacctgc	cctcaggcgt	900
ccgtgtctca	gcagttcacc	tctgttccct	ggaactcctt	caaccgcgac	gtactgaagg	960
ccctgtacag	cttcgcgccc	atctccatgc	actgcaacaa	gtcctcagcc	gtccgcttcc	1020
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acaccggcac	tgtgcactct	actctgcgac	gatccccatg	gaacagccct	gcacgcccag	1260
gatgaagggg	ccagaccacg	ccccctgctg	agaccacggg	ccaatccagc	cttcttcccc	1320
caggggtcccc	tgcatggctg	agaggggtgtg	gggtgccctgt	tgacctaccc	tggaccgagt	1380

ggaccacgac	ctcgtccatt	taaacccggc	tgactcagt	cagggacagc	ccgcacagt	1440
gtccagggtc	cagccctccg	ccagccctgt	tccgcctcac	tgggtgtggc	ctggcttctg	1500
ggacaggcac	catgctgggc	cggggtgtgg	aatcaccggg	aacgcccccg	cccccgcccc	1560
gctgctcccg	gtgtgcagcg	ggtgcgggtg	ccgcttaaac	atttccttgc	tgagtggctc	1620
gtgtttcaca	gtgggcggt	tccctgcgac	ggaggcagga	ccaggcattt	agctagttag	1680
agactcgcct	gggaaattgc	tccattcctg	agtaaacaga	tattttcgcc	cacctaaagg	1740
gaagccctga	caacaactat	cacaaaaaga	cgaggcggca	aagatccagc	ggggcttctg	1800
ggcgccggtt	ccacgtgggg	tgggaattatt	agcaccagct	tgcttctctg	ccggtggggc	1860
cagcgctgaa	cagaccgggg	tggagtcagg	gctgtgcttt	ccgctgggtt	ctgccactta	1920
gggagtgtgc	cttgggcggg	ccatttcaca	ttcctgaccc	tcacttttct	catctgtaaa	1980
accaggctga	tgccgtgcgg	gctaattgagc	caataaagct	cacacttggg	ctggc	2035

<210> 5285

<211> 1560

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (9)...(1146)

<223> similar to gi2656015 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5285

gaggagcaat	tctgaagag	ctcccacagt	tggacagaga	gacctgtg	cagtggagca	60
cactctccta	tctggcctg	gtgaaggagc	tgtgtgccct	cttcattggc	tctgagctcc	120
ttccaaaaga	tgaattaaat	gatctgatcg	accgagcctt	cagcagattc	cgtaacagag	180
aagtgggtcca	tctgtccagg	ttgaggaatg	ggctgaacgt	gttgagctg	tggcatggcg	240
tcacatatgc	atttaaggac	ctgtccctgt	cctgcacaac	acagttcctg	cagtacttcc	300
tggagaagag	ggagaagcac	gtcactgtgg	ttgtaggaac	atctggggac	acaggaagt	360
ctgccattga	gagtgttcaa	ggggcaaaga	acatggacat	tatcgttctg	ctgccccaaag	420
gtcactgcac	aaagattcag	gagctccaga	tgacaacggg	gctgaagcag	aacgtacatg	480
tgtttggagt	ggagggaaac	agcgatgagc	tccatgagcc	gatcaagact	gtgtttgccc	540
atgtggcttt	tgtcaagaag	cacaatctga	tgagcctgaa	ttcgatcaac	tgggtcccggg	600
tcttgggtgca	gatggcccat	cacttctttg	cttacttcca	gtgtacgcca	tccttggaca	660
cacatccctt	accctgggtg	gaggtgggtg	tgccaacagg	ggctgccggg	aaccttgag	720
ctgggtacat	tgtcaaaaag	ataggcctgc	ccatccgtct	ggctgtggca	gtgaaccgca	780
atgacatcat	ccacaggact	gtccagcagg	gagacttctc	tctctctgag	gctgttaa	840
caaccttggc	atcagctatg	gacattcagg	tgccctacaa	catggagagg	gtgttctggc	900
tgtctctctg	ctctgacagc	caggtgacaa	gagccctcat	ggagcagttt	gaaaggaccc	960
aaagtgtgaa	tctgcccagg	gaactgcaca	gcaagctttc	agaggcagtg	acatccgtgt	1020
cagtgtcgga	tgaagccatc	accagaccca	tgggcccgtg	ctgggatgag	aaccagtact	1080
tgtgtgtccc	ccactcagcg	gtggccgtga	actaccatta	ccagcagata	gacaggcagc	1140
agcccaggta	caggcaatgg	gggcctgggg	cactgaggga	ccatttgaat	ttcagggggc	1200
ctcttcttct	ccaagcagtg	ggagagacag	gactacgaaa	aatggctgt	aatggagtgt	1260
gtgtgggtgt	gtgtggaact	gtgccttgga	aactgtgggc	ccagaagagg	gagcgtgaca	1320
gatataccag	ggcagcccat	ggcagaggt	ggtggctgag	ctggcctcca	accaggagga	1380
gcagtttgcc	aggtagcgtc	attgtagcaa	taagttcaag	gtgccaaattg	tctgtctgtg	1440
tctctgtcct	ccataccccc	ccatccctaa	acttctctctg	tttcttattc	ctcctccacc	1500
ttctcctttc	ccatctctct	attctctcat	tggcctccgg	ctgccacctg	cccccatccc	1560

<210> 5286  
 <211> 845  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (776)...(390)  
 <223> similar to gi458230 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5286

ctggaaaata	cataaaaaca	tatgtatcac	cagtaaataga	atcagtaaag	tacaatataa	60
cacaaaagaa	aaagaaatat	tgcttgattt	tttccaataa	aagcaagggt	aataaaaaca	120
tttttagtaa	gaaaatctat	catttttatt	ttaaaaatct	ttcaatttta	aacatcatta	180
ccaacacatt	aaaagtatta	tcaataagtg	cctttacaat	ttcaagcaaa	agctactgtg	240
ttttccttat	tggaaatact	gctttcagtc	atcctttttg	tctgaggtac	tctcttcattg	300
cttttcaggg	ctgactttat	tactggcggg	ggaggggggt	gtctggactt	cttttggtta	360
tgaaaacaca	tggcacgtct	ggaggtctag	gtatgttgta	aatatccttag	catattctgg	420
atgctttaag	gcaaaaacttt	taaattcctc	ataggaaatt	gagtcctctt	gggctatttc	480
cttgaagaga	ccagaaacat	caaggtcagg	cactccaagg	gaagcctgta	gaatgggtga	540
gaactcttcc	tccgttatgt	agccatcctc	atcaacgtca	aacagcttaa	atgccacctg	600
gatgatctcc	tctgtgttg	aagggttgca	caagacagcc	aggccaatca	catactctcg	660
gaagtcaatg	ctgccatcat	ggttcctgtc	aaagagtgc	aaaagttgtc	tcaagacatc	720
tgaaacaggc	aactttaaat	acttggcgaa	ttcttcaatt	ccaattcttc	ctccttttga	780
ggaactcgca	atagatgcat	attcatccaa	atgcttacga	acaccatccc	aatctaattt	840
caatt						845

<210> 5287  
 <211> 1973  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(1829)  
 <223> similar to gi2988397 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5287

gaaaggctaa	ccggtggttt	ggggttgctc	cccctaaatc	tggaataatg	aacatgaaca	60
tccttcacca	ggaagagctc	atcgctcaga	agaaacggga	aattgaagcc	aaaatggaac	120

agaaagccaa	gcagaatcag	gtggccagcc	ctcagccccc	acatcctggc	gaaatcacaa	180
atgcacacaa	ctcttcctgc	atttccaaca	agtttgccaa	cgatggtagc	ttcttgcagc	240
agtttctgaa	cgctgggaag	aggtccctgc	tcattcagcag	gcggacaggc	ctggggctgg	300
ccagcctgcc	gggccctgtg	aagagctact	cccacgccaa	gcagctgccc	gtggcgccacc	360
gcccagtggt	cttcagctcc	cctgacgagg	acgaggagga	ggactatgag	cagtggctgg	420
agatcaaagt	ttcaccccca	gagggagccg	agactcggaa	agtgatagag	aaattggccc	480
gctttgtggc	agaaggaggc	cccaggttag	aaaaagtagc	tatggaggac	tacaaggata	540
acccagcatt	tgcattttttg	cacgataaga	atagggggga	attcctctac	tacaggaaga	600
aggtggctga	gataagaaag	gaagcacaga	agtcgcaggc	agcctctcag	aaagtttcac	660
ccccagagga	cgaagaggctc	aagaaccttg	cagaaaagtt	ggccagggttc	atagcggacg	720
gggggtcccg	ggtggaaacc	attgccctcc	agaacaaccg	tgagaaccag	gcattcagct	780
ttctgtatga	gcccaatagc	caaggggtaca	agtactaccg	acagaagctg	gaggagttcc	840
ggaaagccaa	ggccagctcc	acaggcagct	tcacagcacc	tgatcccggc	ctgaagcgca	900
agtcacctcc	tgaggccctg	tcagggtcct	tacccccagc	caccacctgc	cccgctcgt	960
ccacgcctgc	gccactatc	atccctgctc	cagctgcccc	cggaagcca	gcctccgcag	1020
ccaccgtgaa	gaggaagcgg	aagagccggt	gggggcctga	agaggataag	gtagagctcc	1080
cacctgctga	actggtgcag	agggacgtgg	atgcctctcc	ctcgcctctg	tcagttcagg	1140
acctcaaggg	gctcggctat	gagaagggga	agcctgtggg	tctagtgggc	gtcacagagc	1200
tttcagacgc	ccagaagaag	cagctgaagg	agcagcagga	gatgcagcag	atgtacgaca	1260
tgatcatgca	gcacaagcgg	gccatgcagg	acatgcagct	gctgtgggag	aaggcagtcc	1320
aacagcacca	gcacggctat	gacagtgatg	aggaggtgga	cagcgagctg	ggcacctggg	1380
agcaccagct	gcggcgcatg	gagatggata	agaccaggga	atgggccgag	cagctgacaa	1440
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ttatggagac	cttcaaggcc	ctgaaggagg	gccgtgagcc	tgactactca	gagtacaagg	1560
agttcaagct	gactgtggag	aacatcggt	accagatgct	gatgaagatg	ggctggaagg	1620
agggcgaggg	gctgggctca	gagggccagg	gcacaaagaa	cccagtgaac	aagggcacca	1680
ccacagtgga	cggcgctggc	ttcggcattg	accggccggc	ggagctctcc	aaggaggacg	1740
acgagtatga	ggcggttccgc	aagaggatga	tgctggccta	ccgcttccgg	cccaaccccc	1800
tgaacaatcc	cagacggcct	tactactgag	tgttctggaa	atacatactt	tctgaatgac	1860
caaccgtccc	tggactgtgg	aatgttccgg	cctgcatttc	tgcccccccc	ttcgtttgtc	1920
acgagtgccg	tgccgtgtaa	taaagtccca	gtgctcatcc	accacaaaaa	aaa	1973

<210> 5288

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (207)...(402)

<223> similar to gi5630082 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5288

tttcgtggcg	gaaaggatgg	cgctgtgaca	gccggggccgg	agccctcgcg	tccccacccc	60
gcgccttggc	cgctggggccc	ggcgagatgg	agtccacagc	ctaccctctc	aatttgagcc	120
tgaaagaaga	ggaagaggaa	gaagagattc	agagccggga	actagaggac	ggcccggcag	180
acatgcagaa	agtacgaatc	tgctctgagg	gcggatgggt	accggcccta	tttgatgag	240
tggccatata	tttttccgat	gaggaatggg	aagttttgac	ggagcaacaa	aaggccctct	300
accgggaagt	catgaggatg	aattatgaaa	ctgtcctgtc	cctggaattc	ccattcccta	360

agccagacat	gatcaccctg	ttggaagggg	aggaggagtc	tcagaattct	gacgagtggc	420
agctccaagg	aggcacctct	gcagaaaatg	aagaatctga	cgtaaagcct	ccagactggc	480
caaacccaat	gaatgctacc	tcccagtttc	ctcagcctca	gcactttgac	agctttggcc	540
tccgtctgcc	tccggatata	acagagctgc	ccgagtggag	tgaggggtac	ccttctacat	600
ggccatggct	tcccagggta	tgacctctcg	gctgatgaca	tagctgggaa	gtttcagttc	660
agccgggcat	gcgcgcagtt	acga				684

<210> 5289

<211> 4583

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(1598)

<223> similar to gi505102 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5289

cgcggtgtcta	cgcggaagca	ccggctaage	tgtttctgcc	gccgccggcc	gcctgggacc	60
ttgcggtgag	gctgcgcggg	gccgaggccg	cctccgagcg	ccaggtttat	tcagtcacca	120
tgaagctgct	gctgctgcac	ccggccttcc	agagctgcct	cctgctgacc	ctgcttggtt	180
tatggagaac	cacccttgag	gtcacgctt	catccccggg	tgaccagct	atcagcgctg	240
cctccttctt	gcaggatcta	atacatcggt	atggtgaggg	tgacagcctc	actctgcagc	300
agctgaaggc	cctgctcaac	cacctggatg	tgggagtggg	ccggggtaat	gtcaccacgc	360
acgtgcaagg	acacaggaac	ctctccacgt	gctttagttc	tggagacctc	ttcactgccc	420
acaattttcag	cgagcagtcg	cggattggga	gcagcgagct	ccaggagttc	tgccccacca	480
tcctccagca	gctggattcc	cgggcctgca	cctcggagaa	ccaggaaaac	gaggagaatg	540
agcagacgga	ggagggggcg	ccaagcgctg	ttgaagtgtg	gggatacggg	ctcctctgtg	600
tgaccgtcat	ctccctctgc	tcctcctctg	gggccagcgt	ggtgcccttc	atgaagaaga	660
cctttttaca	gaggctgctg	ctctacttca	tagctctggc	gatttgaacc	ctctactcca	720
acgccctctt	ccagctcatc	ccggaggcat	ttggtttcaa	ccctctggaa	gattattatg	780
tctccaagtc	tgcaagtgtg	tttgggggct	tttatctttt	ctttttcaca	gagaagatct	840
tgaagattct	tcttaagcag	aaaaatgagc	atcatcatgg	acacagccat	tatgcctctg	900
agtcgcttcc	ctccaagaag	gaccaggagg	agggggtgat	ggagaagctg	cagaaggggg	960
acctggacca	catgattcct	cagcactgca	gcagtgagct	ggacggcaag	gcgcccattg	1020
tggacgagaa	ggtcattgtg	ggctcgctct	ctgtgcagga	cctgcaggct	tcccagagtg	1080
cttgctactg	gctgaaaggt	gtccgctact	ctgatatcgg	cactctggcc	tggatgatca	1140
ctctgagcga	cggcctccac	aatttcacgt	atggcctggc	catcggtgct	tccttcactg	1200
tgtcagtttt	ccaaggcatc	agcacctcgg	tggccatcct	ctgtgaggag	ttcccacatg	1260
agctaggaga	ctttgtcatc	ctgctcaacg	ctgggatgag	catccaacaa	gctctcttct	1320
tcaacttctt	ttctgectgc	tgctgctacc	tgggtctggc	ctttggcatc	ctggccggca	1380
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tcctcaccat	gtattcagga	cagatccaga	ttgggtaggg	ctctgccaaag	agcctgtggg	1620
actggaagtc	gggccctggg	ctgcccgatc	gccagcccga	ggacttacca	tccacaatgc	1680
accacggaag	aggccgttct	atgaaaaact	gacacagact	gtattcctgc	attcaaattgt	1740
cagccgtttg	taaaatgctg	tatcctagga	ataagctgcc	ctggtaacca	gtctctagct	1800
agtgcctctt	gccctctctt	cacctccttt	tctctcagtg	actctggaac	ctgaatgcag	1860

cttacaagac	aagcctgact	tttttctctg	attaccttgg	cctcctcttg	gaaccagtgc	1920
tgaaggttt	tgaatccttt	acccaacaat	gcaaaaatag	agccaatggt	tataacttgg	1980
ctagaaatat	caagagttga	atccatagt	tggggcccat	gactctagct	gggcaccttg	2040
gacctccagc	tggccaatag	aagagacagg	agacaggaag	ccttcccatt	ttttcaaagt	2100
ctgtttaatt	gcctattact	tctctcaaag	agaacctgaa	gtcagaacac	atgagcaggg	2160
tgagaggtga	ggcaagggtc	atcctgaatg	ggagaggaag	tcgaaccact	gctgtgtgtc	2220
ttgtcaggat	gctcacttgt	tcctactgag	atgctggata	ttgattttgt	aacagcacct	2280
ggtgtttcac	ggctgtccga	gtgagctaac	gtggcggtgt	ggctgcctgg	acctcctctt	2340
tcagggttaac	gctgacagaa	tggaggtcca	ggctgtctgc	aagaaaacag	ttggtttggc	2400
tgtgattttg	acctcctctt	ccccactgcc	atcttctaag	agactttgta	gctgcctcct	2460
agaagcacat	tctgagcaca	tttgagacct	ctgtgttaga	ggggagactg	cacaaactat	2520
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acttcactta	gggcatcgca	gatgtttgca	gaatggttgg	cctaattgatt	atgctacaga	2760
tgggttttaa	atgaccgcgc	taggttactg	cttccttgca	aaaaaagtcg	aatcctgcct	2820
tgaattgaat	atgaatttct	ctaactctct	ccagaaaatg	gatggagata	acttgtcttt	2880
aaaactgtag	gccagcctta	gccactgtgg	agcccttgcc	tccgagctct	ggcttcaagg	2940
ggagctcttc	tccaggttca	ctaggtgaat	tgatttatta	ttatcatatt	gataatgtga	3000
gattcttttag	ccactttggg	gagcctgtct	ctccagaagc	ctttcttagt	gggtgccaca	3060
gttgaggccc	agggggccatg	tttgcaaact	gattcatgtg	catggctgac	aggagtactg	3120
gttcaactacc	aatgcctgag	cttttctctt	acatagaaaa	actgtccact	ctcagtaatc	3180
acaagcagca	tccgttttgt	tttctcttct	tgggagacat	ctgtcaaacc	aggaatatct	3240
ttgaaaagaa	cgtgagcagg	aaaaactgct	ggtgatactt	tttttaagtt	ttgtttttat	3300
cttgcctggt	ggcttcaata	catttgagaa	tacgctgaag	agggaaaatt	tcagtgatgg	3360
agattctaga	ttaaatatca	ggactgattt	cctgggtgga	ttatggtcca	gttttaccac	3420
agaaccaatt	ccttgaatgt	tggaaatctaa	ctttttatat	tgctattatt	attgttgttt	3480
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aaaataactc	aaagttgaag	actctggaag	attttgcttt	aacctaactc	gcattgatgt	3600
attaaattta	taatttttagc	attcccaata	gacccatca	ttccttaaac	ataataccct	3660
ttgtcttgga	gtagaatact	aagttagagt	tagtggattt	ctagttagg	agaggagctc	3720
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cctatattac	cttaagaaat	ttccttccat	agacagctgc	ctcaaaggga	aatcctcttt	3840
aaaccgtagt	tggcgagag	gtcagtccta	gtcggagctt	aggagggg	gagacgctca	3900
catcgctgga	cttgagtcgc	cactgattgt	ggcaacagct	ttgcctcatg	agtcaaaaat	3960
tggcaatttc	ttttgatttt	tagttgttga	atgtgtgtgt	tcaagcattt	gtacatatta	4020
gaagtctaag	gagtagcaag	tcagtgggag	gactttttca	cccctggcat	tagcagcttc	4080
gacctcattt	tccagatgca	ccagctccta	tttaataagtt	agcaaggaaa	gtgtatgtca	4140
cgtgcaggaa	cagtgaggca	gggacagggg	ttctgtcctt	tctcacttca	ccaccggcac	4200
acagcttgcc	cctgtctttg	cccccaaagg	tattttgtgt	ctagtgtcaa	attggagcta	4260
ttcttcactg	gtccttaacc	ttgggtttta	aaaagaaggc	ttctctgttt	gggtagcgta	4320
agagctgagt	atagtaagtc	ctcttccaaa	gagatggcaa	tatgctgggc	atctacttta	4380
aaacaaagt	gtctgatttt	tgcaagagag	gttaggattt	tattgttctt	atttcccttt	4440
acagttctgc	agttccatca	cagtattttt	ttaaataact	caggtgtatg	agaagaaatt	4500
agaaaagaaa	attaacttat	gtggactgta	aatgttttat	ttgtaagatt	ctataaataa	4560
agctatatct	tgtaaaaaaa	aaa				4583

<210> 5290

<211> 827

<212> DNA

<213> Homo sapiens

<220>



<221> misc\_feature  
 <222> (19)...(492)  
 <223> similar to gill110599 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5290

ccggaattcc	cgggtcgact	atttcgtctg	ctgctgggtgc	tgtcattgcg	ccggcgggctg	60
cggaagagc	tggagaaagg	ggccaaggct	actgagagga	ccttggtgta	ccccctggag	120
ctgcccagg	agcccaccag	cccccccttc	cggccctgtc	ctgaaccaga	tgagaaactt	180
tgggatictg	tcggttacta	ctattcagat	ggctccctta	agatagtacc	tgggcatgcc	240
cggtgccagc	ccggtggggg	gcccccttcg	ccacctccag	gcattcccagg	ccagcctctg	300
ccttctccaa	ctcggcttca	cctggggggg	gggcggaact	caaatgccaa	tggttacgtg	360
cgcttacaac	taggagggga	ggaccgggga	gggctcgggc	acccccctgcc	tgagctcgcg	420
gatgaactga	gacgcaaact	gcagcaacgc	cagccactgc	ccgactccaa	ccccgaggag	480
tcatcagtat	gaggggaacc	cccaccgcgt	cggcggggaag	cgtgggaggt	gtagctccta	540
cttttgcaca	ggcaccagct	acctcagggg	catggcacgg	gcacctgctc	tgtctgggac	600
agatactgcc	cagcaccac	ccggccatga	ggacctgctc	tgtcagcac	gggcactgcc	660
acttggtgtg	gctcaccagg	gcaccagcct	cgcagaaggc	atcttctctc	tctctgtgaa	720
tcacagacac	gcgggacccc	agccgcaaaa	acttttcaag	gcagaagttt	caagatgtgt	780
gtttgtctgt	atttgcacat	gtgtttgtgt	gtgtgtgtat	gtgtgtg		827

<210> 5291  
 <211> 1284  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (38)...(692)  
 <223> similar to gil68747 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5291

ccagagcctg	gctgaggtcc	tgcagcagct	gggggcctcc	tctgagctcc	aggcagtact	60
cagctacatc	tccccactt	acggtgtcac	cccccaaccac	agtgcctttt	ccatgcacgc	120
cctgctggtc	aaccactaca	tgaaaggagg	cttttatccc	cgaggggtta	ccagtgaat	180
tgcttccac	accatccctg	tgattcagcg	ggctgggggc	gctgtcctca	caaaggccac	240
tgtgcagagt	gtgttgctgg	actcagctgg	gaaagcctgt	ggtgtcagtg	tgaagaaggg	300
gcagagctg	gtgaacatct	attgccccat	cgtggtctcc	aacgcaggac	tgttcaacac	360
ctatgaacac	ctactgccgg	ggaacgcccg	ctgctgcca	ggtgtgaagc	agcaactggg	420
gacggtgcgg	cccggcttag	gcatgacctc	tgttttcate	tgctgcgag	gcaccaagga	480
agacctgcat	ctgccgtcca	ccaactacta	tgtttactat	gacacggaca	tggaccaggc	540
gatggagcgc	tacgtctcca	tgcccaggga	agaggctcgc	gaacacatcc	ctcttctctt	600
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catgatcatg	ctcataccca	ctgcctacga	gtggtttgag	gagtggcagg	cggagctgaa	720
agggaaagcg	gggcagtgac	tatgagacct	tcaaaaactc	ctttgtggaa	gcctctatgt	780
cagtggctct	gaaactgttc	ccacagctgg	aggggaaggt	ggagagtgtg	actgcaggat	840

ccccactcac	caaccagttc	tatctgggct	gtccccgag	gtgcctgcta	cggggctgac	900
catgacctgg	gccgcctgca	cccttggtgt	atggcctcct	tgagggccca	gagccccatc	960
cccaacctct	atctgacagg	ccaggatata	ttcacctgtg	gactgggtcg	ggccctgcaa	1020
ggtgccctgc	tgtgcagcag	caccatcctg	aagcggaact	tgtactcaga	ccttaagaat	1080
cttgattcta	ggatccgggc	acagaagaaa	aagaattagt	tccatcaggg	aggagtcaga	1140
ggaatttgcc	caatggctgg	ggcatctccc	ttgacttacc	cataatgtct	ttctgcatta	1200
gttccttgca	cgtataaagc	actctaattt	ggatctgatg	cctgaagaga	ggcctagtta	1260
aatcacaatt	ccgaatctgg	ggcc				1284

<210> 5292

<211> 4119

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(1772)

<223> similar to gi3327130 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5292

tgtggcgacg	gcggcagctg	tggccccggc	gccagcgccc	ggcacggaca	gcgcctcttc	60
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gcgcggggcg	cgctgcgtgc	gctgcgttta	cattctcgac	ccgtgggttc	cggcctcctc	180
ctcagtcggg	atcaaccgat	ggaggttcct	acttcagtct	ctggaagatt	tggacacaag	240
tttaaggaaa	ctgaactccc	gcctgtttgt	agtcggggga	cagccagccg	acgtgttccc	300
aaggctgttc	aaggaatggg	gagtgaccgc	cttgaccttt	gaatatgact	ctgaaccctt	360
tgggaaagaa	cgggatgcag	ccatcatgaa	gatggccaag	gaggctggtg	tgggaagtagt	420
gacggagaat	tctcataccc	tctatgacct	ggacaggatc	attgagctga	atgggcagaa	480
gccacccctt	acatacaagc	gctttcaggc	catcatcagc	cgcatggagc	tgcccaagaa	540
gccagtgggc	ttggtgacca	gccagcagat	ggagagctgc	agggccgaga	tccaggagaa	600
ccacgacgag	acctacggcg	tgccctccct	ggaggagctg	gggttcccca	ctgaaggact	660
tggctccagct	gtctggcagg	gaggagagac	agaagctctg	gcccgcctgg	ataagcactt	720
ggaacggaag	gcctggggtg	ccaactatga	gagaccccga	atgaacgcca	actccctcct	780
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ctactaccgc	ctgtgggacc	tgtataaaaa	ggtgaagcgg	aacagcacac	ctccctctct	900
cctattttggg	caactcctat	ggcgagagtt	cttctacacg	gcagctacca	acaaccccag	960
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cttcacgacg	ttcttccact	getactgccc	tgtgggcttt	ggcgcgtcga	cggaccccag	1320
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gcagatttac	cagcagcttt	cgcgtaccgc	gggactctgt	ctactggcat	ctgtcccttc	1560
ctgtgtggaa	gacctcagtc	accctgtggc	agagcccagc	tcgagccagg	ctggcagcat	1620
gagcagtgca	ggcccaagac	cactaccag	tggcccagca	tcccccaaac	gcaagctgga	1680
agcagccgag	gaaccacctg	gtgaagaact	cagcaaacgg	gcccgggtgg	cagagttgcc	1740

aacccagag	ctgccgagca	aggatgcctg	agactgcaga	gcccttgctc	cgtgagcaaa	1800
gcctgggtgc	ccaagcagcc	accgcagcag	cagagtacaa	cctgcagaga	agctgatcac	1860
cgggcagaga	tagagcgagc	atgtgtgtgt	gtgtgcgcgt	gtgcagagga	gggagtgggtg	1920
tgcctgtttg	tgtgtgcatg	catctgttga	cactcatgat	tctgaatgtt	gcctgggctg	1980
ggggagtacc	tgtagcacgc	cagtgcgtgt	tcccggcctc	cagacacaag	gctcgagggt	2040
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cgtagtggtg	ggaccctagc	tgggattctg	gcctctgcct	ccctagacct	ccttccctcc	2160
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gccggagtgg	atggatgctg	tccagacgta	gccacctggc	ctctgtttct	tattttaaaa	2340
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tgtcagctat	cccagtagct	gagctccaag	gactcacgca	gagggactca	aggatgggga	2880
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tgctggctct	cttccttaag	gtacagggtg	gcaggaccac	ctccgcctac	ttctccacca	3780
tcctagcat	gccagcccgt	tcccagatca	acctgccagt	ggagtcaggc	agtgcactcc	3840
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ctcaaactct	gacccaaggg	ccagcatggg	gaagagatgg	ttgcaggcaa	aatgcacttt	4020
atagagattt	tctattgctg	ggaagggtgt	tttctcccac	aatttgtttg	tgaatattca	4080
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<210> 5293

<211> 614

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (615)...(187)

<223> similar to gi5262513 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 5293
tttttttttta ctaaactctc aataacttta tttgcctttg gctggctcct tgggtgtggg 60
cagggtaggg tttggcaaca gcctgggctt catgcgccct ctgggtggacc tcagaggcac 120
gaactggaat ctggggccaaa cctgaggact taacagtcaa tagcctagga gggtcgcagc 180
gctcctcagg tctgcacccc agaccaaca tcaggggacg gggcactctg ggaggaagcc 240
ctgaacctct ggctctcata ctgcccgtg ttggacaacc gcatgttctg ccgagccttc 300
atctgcttca cacggtcctt gtccacttcc cgcttgggtga ggatgaagag gaggatacca 360
caagggaagc cgatggccca ggccagtccc acagctttca tggggttctt gcccctcttt 420
ctgggaatgt attccagctc cggggatagg ggttcagggt cctccttgcc ctctggggag 480
ctgtggcttt gcagggcccg ggtcctgtta tgagaagcct tgtagctgt ggctcctgcg 540
agaatcccc ggaggacgcg ggcatatttc gcccccggc cttcagcgc cgtagcagct 600
accaccgccg ccac

```

<210> 5294

<211> 1730

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6)...(584)

<223> similar to gill122398 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5294
ggggcactat tatcacacca gatgaatata ctggaaaaat aatgatgctt tgcgaggctc 60
gaagagcagt tcagaagaat atgatattta ttgatcaaaa tagagttagt cttaaatatc 120
tctttccttt gaatgaaatt gtggtagatt tttatgactc tttgaaatcc ctatcttctg 180
gatatgctag ttttgattac gaagatgcag gctaccagac tgcagaactt gtaaaaatgg 240
atattctact gaatggaaat actgtagagg agctagtaac tgttgtaac aaagacaaag 300
ctcattcaat tggcaaagcc atatgtgaac ggctgaagga ttctcttctc aggcaactgt 360
ttgagatagc aattcaagct gctattggaa gtaaaatcat tgcaagagaa actgtgaaag 420
cctataggaa aaacgttttg gcaaaatgtt atgggtgggtg tattaccgca aaaatgaagc 480
ttttgaagag acaagcagaa gggaaaaaaa agctgaggaa aattggcaac gttgaagtgc 540
caaaagatgc ttttataaaa gttctgaaaa cacaatcttc taaataattg gtgggaaaac 600
aaagaatttt cattgcaatt tgtaatatgc tgacaacaga aagaaaatta taaaatttgc 660
ttgttacttt cagggtattc aggttcaaat aacctactag tctttcgttg aaagggagta 720
gttagtgggt aggcaagagc ttagattttg aagccatgtt gcctgctctc aaatatctgt 780
tccaaccact cactagtaag gtgaccgtgg ccagattaac ctttgtttcc tcttcagtaa 840
aatcgagatt atactactac ctacataagt tgttgttggt aagattaat gaggtaatc 900
gttaaatatt cagaggtgca agacacatag taagcactca attgtaacta cagttaagtc 960
cttaaatgcc atcgaaagggt tcttagaaac tgactttaag caaaatgaca cgtagcacia 1020
tgttcttgaa tgatgtcatt tccttaagtg gtttgtaaca tcgatgagga aaaaaaattg 1080
gtttatgcgt catttcatct tatttttatt tattttttga gacagagtct tgccctgtcg 1140
cccatgtctg agtgcaatgg cacaatctcg actcactgca acctctgcct cctgggttca 1200
agagattctc ctgcctcagc ctccattaca ggcgtgcacc accatgctcg gctaattttt 1260
tgtatcttta gtagagtcgg ggtttcacca tggtggccag gctggtcttg aactcctgac 1320
ctcgtgatcc acccaccgtg gcctcccaaa gtgctgatta cagggtgtgag ccaccatgcc 1380

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cagccatgtc	atttcattta	aagtcacaat	ttccatgaat	ctcaacaagt	gaggacctgc	1440
tatattttgt	tgcatgcagt	ttttctttac	ggacactaaa	aggccccata	cttaagattc	1500
catctacttt	aagtttaaaag	gattttcaga	atcaccttaa	gtgtcaaatt	tgtagcagg	1560
attaattgat	atgaattcac	ttattaaaca	gtaaactcaa	ataacataga	catcaaataa	1620
cagacatctg	ctctagttaa	tgataaaatg	tttatagatt	ttatcagggtg	agtagtttga	1680
aactaaatgg	tttacatcta	aattaagggc	aggagctgtc	tttcagacat		1730

<210> 5295

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (700)...(409)

<223> similar to gi3747107 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5295

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caatattaaa	gtcgggaaag	taaaaaatgg	taaatagcca	tgataaaaca	ttcaaaaata	120
gcatttttga	tgaccttaaa	ttatttttaa	agccttcagt	acctaaaatt	ttatatatat	180
actttcata	tccccctct	aatactttcc	ttgcattaac	cctggagcat	acacaacttt	240
tgaaaaagtc	aaaaaatcga	gattgttttc	ccagggtaaa	gatagtttga	aggctggaat	300
aataaggatt	tgctgaatgt	atcgttgctg	ctggtgttaa	gatctcaagt	caatccctcc	360
ctggttgctg	aagccatata	accctagtgg	atccatcact	catcactaca	ccatccgata	420
cacagggtca	ccaactctca	ggcttccaat	tttttccact	gaataataga	tcccaaaaag	480
tgagagacaac	ttgtacaatt	ccctctcaga	aggatcacac	aggcggtagc	tcttcagggt	540
gtccagtggc	tgtttctgt	ctatgactcc	agtgtctggg	tccaccgttg	tcaaaatata	600
cctggggcat	gccattacct	ttttcacttc	tacactacca	attaggagtt	catcccagggt	660
atcctcctca	aaagcatcac	agccggtcac	cacaatatt			699

<210> 5296

<211> 1810

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (45)...(1432)

<223> similar to gi3168866 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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<400> 5296
ggaggcagga ggagcaagaa gtggaaacaa gagcagtgcc gtccccctct cctcccccca 60
tcgtgaagaa gccattgaag caaggtgggg ccaaagctcc aaaagaggct gaggctgagc 120
cagccaagga gacagcggcc aagggccatg gccaaaggcc agccaaggc agggggactg 180
tggtgcgcag ctcatactcc aagcccaagc ggccacaacc cagcagggaa attggcaaca 240
tcatccgcat gtaccagagc cgccccggcc ccgtgcctgt gcccgtgcag ccatccaggc 300
ctcccaaagc tttcctgagg aaaatcgacc ccaaggacga ggctctggcc aagctgggta 360
tcaacggtgc ccactcgacc ccgccgatgc tgtccccag cccaggaaag ggccccccgc 420
cagctgtggc tcctcgaccc aaggccccgc tacagcttgg gccctctagc tccatcaagg 480
aaaagcaggg gccccctctg gacctgtttg gccagaagct gcctattgcc cacacacccc 540
cacctccacc agcgccacca ctgcctctgc ccgaggacc agggaccctt tcagcagagc 600
gtcgttgctt gacacagccc gtggaggacc agggggcttc caccagcta ctgcgcctt 660
ctggcagcgt gtgcttctcc tacaccggca cgccctggaa gttgttccta cgcaaggagg 720
tgttctaccc acgggagaaac ttacgccatc cctactacct gaggctcctc tgtgagcaga 780
tcctaaggga cacttctcc gagtcctgta tccggatttc ccagaatgag cggcggaaaa 840
tgaaagacct cgtgggaggc ttggagggtg acctggattc tctcaccacc accgaagaca 900
gcgtcaagaa gcgcatcgtg gtggccgctc gggacaactg ggccaattac ttctcccgt 960
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agctgtcact gaagagcgag cagctggtgc tgcacacagc ccgggcaagg gccatcgagg 1200
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tgctgccggt ggccaccctg gagccaggct ggcagtttgg ctctgcgggg ggccgttccg 1380
gactctttcc tgccgacata gtgcagccgg ctgccgctcc cgacttttcc ttctccaagg 1440
agcagaggag tggctggcac aagggtcagc tgtccaacgg ggaaccaggg ctggctcggt 1500
gggacagggc ctgagagggtg aggaagatgg gagagggaca agcagaggca aggcctgcct 1560
gagactgagg aaggaaaggg gtttgaccac tcccagggt gccatgcggt gggaccaccc 1620
tgctgtccgt ctctgtggc tgccccctct cccgctcctg atggctcgcc ttgtctctcc 1680
agcaagactg tgcactcctt gcaggcaggg gctgggctgg atgctgctct tgtgtcccac 1740
gtggtactta gttcaaggct gccccagcag atgcttaata aacagctctt cactttcctg 1800
aaaaaaaaa 1810

```

<210> 5297

<211> 1247

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (13)...(1077)

<223> similar to gil216313 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5297

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gaaacttttg aagaattaat tgactgctct ggggggtgta ttctaggagg tttggtggat 60
gcacacacac atccagtatg ggctggtgaa agagttcacg aatttgcaat gaagttggca 120
ggagccacct acatggaaat tcaccaggcc ggaggaggga tccactttac cgtggagcgc 180
acgcgccaaag ccacagagga ggagctgttc cgctccttgc agcaacggct ccagtgcagt 240
atgagggctg gcaccacgct ggtggagtgc aagagtggat atggcctcga cctggagacc 300

```

gagctcaaga	tgctgcgct	gattgagcgc	gcccggcg	agctggacat	cggcatctcg	360
gctacctact	gcggggctca	ttcagtgcct	aaaggaaaaa	ctgctactga	agctgctgat	420
gacatcatca	ataaccacct	cccaaagctg	aaggaaacttg	gcagaaatgg	ggaaatacac	480
gtggacaata	tagacgtatt	ttgtgagaaa	ggtgtctttg	atctcgattc	caccagaagg	540
attcttcaac	gtggaaaaga	tataggggta	cagattaact	tccatgggga	tgaactccac	600
ccgatgaagg	ctgctgagct	tggggctgaa	ctgggagcgc	aggcaatcag	ccacctggaa	660
gaagtgagtg	atgaaggcat	cgttgccatg	gcaacggcca	ggtgctctgc	catccttctg	720
cccaccacag	cctacatgct	gagactgaaa	caacctcgag	ccaggaagat	gttagatgaa	780
ggagtaatag	ttgctctggg	aagtgatttc	aaccccaatg	catattgctt	ttcaatgcca	840
atggctcatgc	atctggcctg	tgtaaacatg	agaatgtcca	tgctgaggc	cttgcccgct	900
gccaccatca	atgcagctta	tgcactggga	aagtctcaca	cacacggatc	gttggaagtt	960
ggcaaacagg	gagatctcat	tatcatcaat	tcaccccgat	gggagcattt	gatttaccag	1020
ttcggaggcc	atcatgaatt	aattgaatat	gttatagcta	aaggaaaact	catctataaa	1080
acatgataga	tttgaaaaga	gaagactttt	tgactatatg	aaataagtca	atatagttat	1140
attaaaagtt	aaaacacctt	aatatttaca	agaattatat	cacttaaacc	taaatgtact	1200
tcaatgtctt	tttaagtcac	tcaaaaaacc	caagggatag	atttatt		1247

<210> 5298

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1692)...(1434)

<223> similar to gi5788103 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5298

tcaagcactg	aagacgcaaa	actgaaacaa	caggcaaggg	cgagtggaaac	gtgggatggg	60
gagcaaaagg	ctggaaggag	gggggctggg	cccacacctg	gaagaacca	catccttgca	120
gcctccggtg	gctgcaacat	cttggccctt	gcagatcttt	tcagaggtcc	ggcacaatga	180
ctccacagag	ggctgactgg	ttccatgatg	cttaagaggt	taggaagctt	gtaggaggca	240
cgcctgactt	gccactccct	ccacccaggc	ctgactatct	gaggaccaat	tcacacacct	300
ggagccccga	gtagcagcct	gaaggaatgc	taaggaggta	ggtgaggggag	tggggggcag	360
gcccttgccc	ccatttcttg	attgtataac	acttcattaa	aataaaatca	cgcagtgccca	420
tcttttatta	gacattttta	taccatatca	aaacaccttg	actaatgaag	aaagcttttc	480
tcccaagctt	tgaacatttt	tttaaacatt	ttataagttt	ttttttgtat	tttaatatat	540
aaatacagaa	acctatcttg	catgggctga	tgccacgtgt	gaacatcaat	ggctaaaatg	600
ttctcaaaca	tagtgccctga	aaacaggggt	agctgtacat	atttcttagt	aagtcttttt	660
ttgtttaagt	tttctgaaaa	aaaaaatcca	cgagggccta	agaataatgt	tcaggcattt	720
ttgcaggaca	cttgtgattg	ttaaatcctc	tgaactgacc	ggaaccagga	ggaaagaagg	780
gaaaagagat	gggatcagta	ggaagaaagt	tctcaatggg	ttgttttttg	gcaatgaagt	840
caagatatta	gggtctcaag	gggagaaaag	agcaaaaaac	cagccagaaa	aatagaggga	900
aaaaaccaaa	caaaccctaa	gtagagaagt	tggtggtgga	gagggccagt	tggggcaggg	960
gaagagaccg	tgtgctcgcc	cgccgtcaga	aggctggcag	cgaggcctta	gctgtgttcg	1020
tctgtcactg	agtggtttat	ggctggggcag	caaacagcaa	gctgtaaaac	tcacgaggga	1080
aaacaccagt	cgacactaga	cttttttttt	atataatttt	tttttgtaaa	cactttaaag	1140
acagacccac	aatgcctttc	aaagatgaaa	aagaaaatgc	cctttccctc	ctgggctgag	1200
gggtgagggg	aaggatagca	gttgattcat	tcttctctca	aacttgctct	catccaattt	1260

ggtgtcctca	gggaggaagg	gagaaccatg	atctggaagt	cagtgcagaa	ggggtgcct	1320
gttcccgtg	gtgtcccaag	ctcagctctg	ccccagggtc	cggtgagcct	cctccctgga	1380
gcaggggagc	tctgtccctt	tgagaggagt	cagcaagcaa	gcccgcaggt	cagtccgcag	1440
ggtgttccgg	acaagatctg	ttcacttcaa	accacgagtc	tatgcagctt	ttgtgataga	1500
tgcacaggca	gggcagcctg	gctatcgtgt	ccccctgcag	cagctcctcc	aggcagatca	1560
cacactcacc	cgcgtcttta	gtcagcacat	catcgttgta	ggagaggcga	ggtttgctca	1620
aacacattat	aaagtgcatt	tccatctcgt	caaaagccac	agacttggag	caaatggggc	1680
acttgaacc						1689

<210> 5299

<211> 1460

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1252)...(353)

<223> similar to gil293835 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5299						
tttttttttt	ttggccaaac	agattggtca	ttattgtaca	catagctgga	agggaggggt	60
ggtcccgggg	taaggacagg	gctgcccatt	atttgggggg	aggaagggac	tcttcttcca	120
aatgggcttg	tccgggaacc	ggggtcccgg	ggagctgggc	gcctgggtcca	catggacccc	180
ctccacctcc	ccacatacgc	tgtggaagaa	gggcaggagt	gagaaatgct	gggggaggac	240
gaccctttgg	tctgagatgt	ggaggtgatc	ataacagttc	ccgcccgctg	gctgttttgt	300
tgactttgga	gaggccttcc	cggaaccag	agtcggtcat	tacttgctcc	atctgaacat	360
cctcctcgtc	ctcctggggc	agctgcaggt	acgggttggt	ccctgtgggc	tggaacttgt	420
agcccgtgag	cacgaagaag	gccagggtgg	agccctccac	caagagctgg	tacagccact	480
gccactgaaa	gggcacagcc	acctgcagca	ggatggcgat	gatgcgggtg	aagtagacgt	540
agcagatgac	catgacatag	taatgccgga	acagcttcag	cttggccagg	ttcactgcca	600
ccttcccgtc	tgtgccagac	gcatectgga	gatgccggat	ggaccagact	acggggaaca	660
ggatggcacc	acagcagatg	aggtccacca	ggaacaaaat	ctccttccac	agcacgtagt	720
cgctggcgcc	ttcctcgcg	gactcgatga	tgatgtaggc	cacgttggcc	aggacctgca	780
tggggatcac	gatcccaaag	acettcttct	ccttatccga	caggacgtac	ttgatgaagg	840
cccagcctga	gccaatcagg	gcgatggtga	tgaagaggag	ggcgcccttc	agcaggtgtg	900
cgatgtagta	catgacggca	aggccttcga	tgggggtggc	ctggctgttg	atgaagtagt	960
agttgatgct	gtggaagagg	agagagatgc	tcttggtgaa	ggccaaggcc	gccatgagcc	1020
agtggatctt	gaagacgctg	tacgtgttcc	tgcagaggat	ggacacccag	aagatgccag	1080
cggccaggaa	gcaggcggac	atgaccatgt	agagcttgaa	aaggggcatc	tccgctgccg	1140
acaggaagcc	atcgggggtc	ttctcccgga	tcatcacctg	gatgtcgaat	ggatgtcctt	1200
ttcctggcac	tgaattgttg	cagttgtgga	agttcaggct	gtactggcct	tcttccgcct	1260
gagagccgat	caccacgtgg	aaactgaagt	tgtaggagtt	gttgaggtgg	ctcaggccca	1320
acaccaggtc	cttgtccttc	ccactaggac	cctgaatcac	tgcggtgtt	gacttgggct	1380
tgctggctgc	agaggtccct	ccgccatcca	ccttgcgggg	gactgtggcc	tgtggcttcg	1440
ggaattccac	cgactggac					1460



<210> 5300  
 <211> 2335  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (6)...(976)  
 <223> similar to gi2622298 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5300

gatcttttga	tttcatacat	ctagaccctt	ttggaacatc	agtgaattat	ctagattctg	60
cattcagaaa	tataagaaac	cttggcatag	tgtcagtgac	ttctacagat	atcagttctt	120
tatatgccaa	ggcacagcat	gttgcccggc	gtcactacgg	atgtaacatt	gtccgaactg	180
aatattacaa	ggaactagca	gccagaattg	ttgtagctgc	agtggcaaga	gctgcagccc	240
gatgcaacaa	aggcatagaa	gtactgtttg	cagtggctct	ggaacatttt	gtgttggtag	300
ttgtgagagt	tttgagggga	cctacttcag	cagatgaaac	agccaagaag	attcaatacc	360
tgatccattg	tcagtgggtg	gaagagagaa	tttttcagaa	ggatggtaat	atggtagaag	420
aaaacccata	tagacagctg	ccttgtaact	gtcatggaag	catgcctgga	aagacagcaa	480
tagaacttgg	acctctgtgg	tcaagttccc	ttttcaatac	tggattcctc	aaaagaatgc	540
tatttgaatc	tcttcaccat	ggtttggatg	acattcagac	cctaataaag	acattaatct	600
ttgaatcaga	gtgtacgcct	caaagtcagt	tttcaattca	tgcattcttca	aatgtcaaca	660
agcaagaaga	aaatggtgta	tttattaaaa	ctacagatga	caccacaaca	gataattaca	720
ttgcacaagg	aaagagaaaa	agtaatgaaa	tgatcacaaa	tttaggcaag	aagcaaaaaga	780
ctgatgtcag	tactgaacat	cctccctttt	attacaacat	tcacagacac	agcattaaag	840
gaatgaatat	gccaaagtta	aaaaagtttt	tgtgctattt	atctcaagca	ggctttcgag	900
taagccgaac	tcattttgac	ccaatgggtg	tacgcacaga	tgcacctctg	atgcagttta	960
aatctatcct	tttaaagtac	agcaccceca	cctacactgg	aggacagtca	gaaagccatg	1020
tccagtcagc	acttgaagat	acagtaactg	aaagagttga	aatgtcagtg	aatgacaaag	1080
cagaagcaag	tgggtgcaga	agatggtaaa	cgtgagaag	aattggttct	caggtgtctg	1140
tatagatggc	ctaatagttc	tctataccaa	ctgtagttct	ttttctgttc	tttcaattca	1200
gtagagtaaa	aataaaaaaac	agtgtcattt	tcattcagaa	actgagcagt	ttctaactta	1260
gctggtttgg	gagctttgct	ttccaagttt	ttttttgttt	taaggcaaac	ttaaaatttt	1320
aatggaaaca	tttcatatga	agccaagtct	cactgagatc	accctactgc	tttaataatc	1380
agaaaatttt	cacatgcaaa	gtgtttggaa	ttttatgtat	gttatgaaag	ccatctttta	1440
caattcttaa	tcacatctct	gcctaaactg	attcatgatg	tttatgtttt	cctgtttgta	1500
gtgtacaaaa	tgaagctgaa	ggctcacatg	ttaaaatgac	cctgaataga	ataggaagaa	1560
caatgttctt	acaggtcata	atgtatttca	caattaaaaa	actaaaatat	gtacccattt	1620
ttaagaaatc	atacttctct	ccacattgat	cttttcattt	cttactagct	tttaagaaat	1680
taaaactctg	cctgagatag	aaatacttta	tttttgtaac	tttaaggtct	aaatgactaa	1740
acttcaaagt	aagattttgt	cagaataaat	tgagaccatt	aatctaatat	aatacttggt	1800
catgagcact	gaaatcctga	agaggagaga	tttggttata	aattaaaaag	gttgggtgat	1860
cttaagtgcc	tcagttaatg	cacgtacagt	attcatttgg	ttggttgtag	tacctctcag	1920
aagtaaaatt	tgtcacctta	tggaatgaga	gtttttgggt	ttgggggttg	tttttttggt	1980
gttgcttggg	ttggtatttt	tggttttggt	tgtatttgta	taaattttct	gtataattag	2040
cccaggctga	tgtaactata	aaaattagtt	gaaaaaaaaa	atattgtttc	cttaatggaa	2100
ttctcacttc	atttgaatat	aagattttgg	atgaaaggat	ttggtataaa	gtttgggttt	2160
ttgtctcaag	gatttgatcc	atatttatcc	ctaaatattt	cttaagggat	gtaacttttt	2220
ataaccatta	agtgggggga	agggggtgga	gggggtggtg	tgtactcata	tttattagtc	2280
gttaacatct	ttccttgtct	agcattattt	ctgagtataa	cgatcatctt	aagcc	2335

<210> 5301  
 <211> 872  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(873)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (5)...(727)  
 <223> similar to gi212260 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5301

gcacctgcgg	caggacaaag	agcatgacgt	ctcgctggag	atccaggatc	tgcggctgga	60
ggactatggg	cgttaccgct	gtgaggtcat	tgacgggctg	gaggatgaaa	gcggtctggt	120
ggagctggag	ctgcgggggtg	tggctcttcc	ttaccagtc	cccaacgggc	gctaccagtt	180
caacttccac	gagggccagc	aggtctgtgc	agagcaggct	gcggtgggtg	cctcctttga	240
gcagctcttc	cgggcctggg	aggagggcct	ggactgggtgc	aacgcgggct	ggctgcagga	300
tgccacggtg	cagtacccca	tcatgttgcc	ccggcagccc	tgcggtggcc	cgggcctggc	360
acctggcgtg	cgaagctacg	gcccccgcca	ccgcgcctg	caccgctatg	atgtattctg	420
cttcgctact	gccctcaagg	ggcgggtgta	ctacctggag	cacctgaga	agctgacgct	480
gacagaggca	agggaggcct	gccaggaaga	tgatgccacg	atcgccaagg	tgggacagct	540
ctttgccgcc	tgggaagttcc	atggcctgga	ccgctgcgac	gctggctggc	tggcagatgg	600
tagcgtccgc	taccctgtgg	ttcacccgca	tcctaactgt	gggcccccag	agcctgggggt	660
ccgaagcttt	ggcttccccg	acccgcagag	ccgcttgta	ggtgtttact	gctaccgcca	720
gcactaggac	ctggggccct	ccccctgcgc	attccctcac	tggctgtgta	tttattgagt	780
ggttcgtttt	cccttggtgg	gtggagccat	tttaactgtt	tttatacttc	tcaattttaa	840
ttttctttaa	acattntttt	actatttttt	gg			872

<210> 5302  
 <211> 2454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2057)...(1052)  
 <223> similar to gi4378887 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

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<400> 5302
aaaattttca ttaatcaaac tccgtaaaga aaactttcca acagccagga tatggaggtt      60
gttttaccce tttttcccct taaaattttt ttttttccct aaagccttaa atttctgtag      120
ggaggttgtc ccaatatgtc cccccccaa aataaagttc ctttccaaaa attcccaagt      180
aggttttaat tcggccccct ataaggaaaa aaatattacc ttgcaagccc gggtaaaatt      240
tggccccccc aaggattctt taaaacggcc cccctttttt ttttttttcc catccataaa      300
catatgtctt tattctcttt ctgtacatat gggcaatgat aaagcttaaa gatgcatgtc      360
ctaagaaata tgcaaaaaca atgaatttac ataaataatt tatacttcag aaaattaaag      420
ttgaaaaata ttttccacat tattagagtt cacagtattt aaatcaagct ttcccactta      480
tactccagac tatattgtct tagcagagag tgataaaatc taatcaggaa taaaatgatc      540
aagtttctgt ttttattcag tgcacgagta gacgtattt cagtatcagg ccgcgccaag      600
tgtcgaggct gcagcctctc atcctgaccc ttcccctcct gagtggctgt gaccagcag      660
aggctactgg cgtggaatgg ttacagcgtc accaaaccac tccacggtgg acacattcaa      720
ccgagcggta acatctgggt gtctgatgcc tcattttcaa gtaatacttt ttatagccct      780
gaaaatggaa accttggcat ctaaacaacc agagctgaac atgtgaacac taggacaagg      840
cactgtacta tggggtttgg tttctttatg ggaaagggtg ttgcatagat tgctagctat      900
ttagtgtgca ggaaaacaga gccccagcg tgcatggctt tgtgaggggt gaagctgcat      960
ggtgctccct cagccccaaag agagcgcagt ctctcattct ccagccccag ccttgtgggc      1020
tgtcccgctg gtgctgtcct ttagaaccce tacaggagag ttttttgctc aaaaagctgc      1080
aggtcaaaac ggaccagac ctccccggtg gggacctcat gcagcagcag tcggcggggtc      1140
atagggcctt tgctttcctg ttctgttcga atttttgcca ctggaatttc agtacgaccc      1200
aggaaatcat ctggtgaaaa ctggtctctg tcaaacaggg tgagacacag cacgtcttgg      1260
tagagatcct taataaagaa ctggcagtta aaattccact tgggattgag tgtgtcctgg      1320
atggtcctgg tgggtgtagct ctgggagccc atgctgattt cacagtatgg gttgctcttt      1380
ccatttggtt tgcaggcttt taattctgta gcttcaatga catgcaccat caggcgccca      1440
atgcctgaag tcttttggga gcgggcttgg taagctttct cacgcttctt cttctcggtg      1500
tcgatgtact gctcagacgc cgccttgatc ttctgcaccc aggcggctct ctcattaatg      1560
ttgtctgttc ggagggtgta gaccgatca atgtgggaaa tgtggaagac aggcctcatg      1620
ctggaagggt ctgtgggcag tttcaccaag acttcattca ggaaaatggg cgtttttatac      1680
attttgaatt gagcattgga cttcgagctg aaaagtttct cagagccaga ggaaacagca      1740
aactgcttga ccatgtaggt aagaagcagg aagtcattga agaggaatcc gtgcagttcc      1800
ttgttgctct tgggtctgta taatttccca ctgtgtaaga gcttccgggg ccccgagcag      1860
ttggtgagag agttgaaaat aagttgctcc gcgaggcctt cacactgcac gtgcgcttgg      1920
atccactcca gtcggctcga gttttccttc tcccgaactc cctcattcac ttgagagcac      1980
agctcctctg cccgctcgag ggccagcttt agggaggaat ggtctgcatg gctctccggg      2040
gtgttctcca gaatctggaa aagagtgggc agtgtcacat gggggagctg cgtctctcac      2100
ctgcccacct ggaccttcgc aggaccgctc ctccaacccc atgttatgga ctgcttccat      2160
gccctggaaa cgcggcggtg aacaagacga cactttccgc ccttgagaaa ctcgactcc      2220
cacaagtctt tggggacaca gggacaggtg acgctgctgt gacaaggtga cagtgtctaa      2280
cggatcaagt gctctgaact gtgtgggtct ctggttgctc tccgactggc tcccggtaat      2340
aggcgggagc ctcccgactc cttccgaaat ttaagccatg taagggtgcg cctcctgtga      2400
taaactggct gcagctgtgg taagtgtgaa cttgctgaat agcaatgggt cata      2454

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<210> 5303

<211> 1751

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (50)...(796)

<223> similar to gi4102980 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5303

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taagaaaaca aactttctcc gttctatgac tgctctcttg gacccagctc agattgagga      60
acgagacaga cgacgacaaa aacaattaga gcatcagaaa gccatcactg cccaggtaga      120
agagaagcgc aggaagaaac aactggagga agagcaaaga aagaaggaag aacaagaaga      180
ggagcttcgc ttagcacagg aacgtgaaga gatgcagaaa cagtatgaag aagacatact      240
taagcaaaaa caaaaggaag aaatcatgac tctcaagaca aatgagctat tccagacaat      300
gcagcgagca caggaactgg cacagagact aaaacaagaa caaagaatcc gagaattggc      360
gcaaaagggg catgacactt ctagactgat taaaaatctt ggtgttgata caatacaaat      420
ggaatataat gcatctaaca ttccaattc aagacatgat tctgatgaaa tcagtggtaa      480
aatgaatata tatatgaatt ctacgacttc ttctaagaag gatactggtg tgcaaacaga      540
tgacttaaat ataggaatat tcaccaatgc agaatacat tgtggatcat taatggagag      600
ggacatcaca aattgttcat ctccctgagat ttccggcagaa cttattggac agtttagcac      660
caagaaaaac aagcaagaac taactcagga taaaggagcc agcttagaaa aagaaaacaa      720
tcggtgtaat gaccagtgtg atcagttcac aagaatagag aaacaaacaa aacacatgaa      780
gaaatattct aaaaggcctg attggaatat aaataagcca cctaaaaggc atattccagc      840
atcagaaaag taccctaaac agcttcaaaa gcagagagaa gaaaaaaaag taaggaggca      900
gatggaattg cttcatttgg tagaaaaaaa taatcctggg cacctctctc aaaacagagg      960
catttcacca gaaatttttc attcatctca tcaagaaacg gagtcaaagt tgagggtggc      1020
tctagtcaaa aaggaagaag agcctctgaa tattcattca ttcagcaagg aaaggctctc      1080
atcatcacca gttccagtag tgaaaaacag aaccaacaa actcaaaata cattacattt      1140
accactaaaa aacagtagct atgagagaga gaatttgatc tcaggaagta atcaaacaga      1200
attatcatct gggattttctg aatcatccca ttttattccg tatgttcgaa caaatgagat      1260
ctattacctt gatcccgatg caccattgtc tgggccttca acccaggacc ctcagtacca      1320
aaattcacaa gactgtggcc aaaaacgaca gctatttgat tctgactgtg tcagggatcc      1380
acttcttaat cctaacatgg tgaaaaatag ggatcgacag caagcaatcc ttaagggact      1440
ttcagaactg agacagggcc ttctccagaa gcaaaaggag ttggaaagta gtctcctgcc      1500
ctttagctga aaatcaagaa gagagttttg gttcttcatt ttaaagttag aaaatcaaat      1560
ctttcacatt tgatttgtgt cttccaaatt ataaaatgtg ctcaactggc caactgtatt      1620
tttcaaatag cctgatttta cttatttttt taaatgctca ttaaaaactt gtatactatg      1680
tagtaaaatg ctgtacttgt tctatacaat aaaacagata cttcttttgt aaaagcttag      1740
tagtaaaaaa a                                     1751
```

<210> 5304

<211> 1110

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4)...(649)

<223> similar to gi3327100 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5304

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ctccaaggag catctctgta tgacttgctc ggcatggaag tagagttgag ggaaatgaga      60
acagaagcca ttgccagacc tctggaaata aacgagactg aaaaagtgat gagaattgca      120
```

ataaaagaga	ttttgacaca	ggttcagaag	actaaagacc	tgctcaataa	tgtggcctct	180
gatgaagcta	at tttagaagc	caaaatcgaa	aagagaaaat	tagaactgga	aagaaatcgg	240
aagcgactag	agactctgca	gagtgtcagg	ccatgtttta	tggatgagta	tgagaagact	300
gaggaagaat	tacaaaagca	gtatgacact	tatctggaga	aatttcaaaa	tctgacttat	360
ctggaacaac	agcttgaaga	ccatcatagg	atggagcaag	aaaggtttga	ggaagctaaa	420
aacactctct	gcctgataca	gaacaaagctc	aaggagggaag	agaagcgcct	gctcaagagt	480
ggaagtaacg	atgactcgga	catagacatc	caggaggagc	atgaatccga	cagtgaagtg	540
gaagaaaggc	ggctgcccac	gccacagaca	gccatggaga	tgctcatgca	aggaagacct	600
ggcaaacgca	ttgtggggcac	gatgcaaggt	ggagactccg	atgacaatga	ggactcggag	660
gagagtga	ttgacatgga	agatgatgat	gacgaggatg	acgatttgga	agacgagagc	720
atttctctct	caccaaccaa	gccaatcga	agggtctgga	aatctgaacc	cctggatgag	780
agtgaacatg	acttctgacc	cttttgccaa	gggaccctgg	cagattaaaa	ccctcagact	840
tgtaggtaaa	tgggaactta	gaaggtagg	aaggtaacc	ctgttttggt	tactaagctg	900
gctggactca	tgatcactga	agcaataactt	atttctgctt	tagcctccta	tgtttgcat	960
ccatggaagct	taaataagaa	ttgaagcaaa	tccctaagat	ttattttttt	ccaccttatt	1020
tatcttctaa	aacttgagga	atgcatgtgt	tcttagtgat	tcacatccac	gggacaaaaa	1080
ctcaagaaga	aataagagct	gacgccacac				1110

<210> 5305

<211> 1925

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1440)

<223> similar to gi5911316 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5305

atggcctgga	acaccaacct	ccgctggcgg	ctgccgctca	cctgcctgct	cctgcagggtg	60
attatggtga	ttctcttcgg	ggtgttcgtg	cgctacgact	tcgaggccga	cgccactgg	120
tggtcagaga	ggacgcacaa	gaacttgagc	gacatggaga	acgaattcta	ctatcgctac	180
ccaagcttcc	aggacgtgca	cgtgatggtc	ttcgtgggct	tcggcttcct	catgactttc	240
ctgcagcgct	acggcttcag	cgccgtgggc	ttcaacttcc	tggtggcagc	cttcggcatc	300
cagtggggcg	tgctcatgca	gggctgggtc	cacttcttac	aagaccgcta	catcgctcgtg	360
ggcgtggaga	acctcatcaa	cgctgacttc	tgcgtggcct	ctgtctgcgt	ggcctttggg	420
gcagttctgg	gtaaagtcag	ccccattcag	ctgctcatca	tgactttctt	ccaagtgacc	480
ctcttcgctg	tgaatgagtt	cattctcctt	aacctgctaa	aggtgaagga	tgcaggaggc	540
tccatgacca	tccacacatt	tggcgccctac	tttgggctca	cagtgaccgc	gatectctac	600
cgacgcaacc	tagagcagag	caaggagaga	cagaattctg	tgtaccagtc	ggacctcttt	660
gccatgattg	gcacctctt	cctgtggatg	tactggccca	gcttcaactc	agccatatcc	720
tacctggggg	acagccagca	ccgagccgcc	atcaacacct	actgctcctt	ggcagcctgc	780
gtgcttacct	cggtggaat	atccagtgcc	ctgcacaaga	agggcaagct	ggacatgggtg	840
cacatccaga	atgccacgct	cgcaggaggg	gtggccgtgg	gtaccgctgc	tgagatgatg	900
ctcatgcctt	acgggtgccct	catcatcggc	ttcgtctgcg	gcacatcttc	cacctgggt	960
tttgataacc	tgaccccat	cctggaggtcc	cggctgcaca	tccaggacac	atgtggcatt	1020
aacaatctgc	atggcattcc	tggcatcata	ggcggcacgc	tgggtgctgt	gacagcggcc	1080
tccgccagcc	ttgaagtcta	tggaaaagaa	gggcttgtcc	attcctttga	ctttcaaggt	1140
ttcaacgggg	actggaccgc	aagaacacag	ggaaaagttcc	agatttatgg	tctcttggtg	1200

accctggcca	tggccctgat	gggtggcatc	attgtggggc	tcattttgag	attaccattc	1260
tggggacaac	cttcagatga	gaactgcttt	gaggatgcgg	tctactggga	gatgcctgaa	1320
gggaacagca	ctgtctacat	ccctgaggac	cccaccttca	agccctcagg	accctcagta	1380
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gctgacctag	ctagggatgc	aagagtgagc	aagcagcacc	cccacctgct	ggcttggect	1560
caaggtgcct	ccacccctgc	cctccccttc	atcccagggg	gtctgactga	gaatggagaa	1620
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cccgtgctg	cacctcgcc	agcatctcct	atgctccctg	ggtccccccag	acctctctgt	1860
gttggtgctg	tggcagcctc	caggaataaa	cattcttggt	gtcctttgta	aaaaaaaaaa	1920
aaagg						1925

<210> 5306

<211> 2679

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (269)...(908)

<223> similar to gi3786433 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5306

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ggattgataa	ctttaatgga	ccaagtgggc	tctttattgc	ggtaagtaaa	ccttttgatt	180
tatttaatat	tctatacatt	tttctgtttt	ttgtatatct	ttaaataat	atacactatg	240
gcttatatat	cttaaggtgt	tgtttttaat	ttcaacaaag	gcagggaaag	gaattcttcg	300
aacaatacgt	gcctccaaca	atgcccttgc	agatcttggt	cctgtagatg	tagttgtcaa	360
catgagtctt	gcggcagcct	ggtattccgg	agttaataga	ccaagaaaca	tcattggtgta	420
taattgtaca	acaggcagca	ctaactcctt	ccactggggg	gaagttgagt	accatgtaat	480
ttccactttc	aagaggaatc	ctctcgaaca	ggccttcaca	cggcccaatg	taaatctaac	540
ctccaatcat	cttttatatc	attactggat	tgctgtaagc	cataaagccc	cagcattcct	600
gtatgatatc	tacctcagga	tgactggaag	aagcccaagg	atgatgaaaa	caataactcg	660
tcttcacaaa	gctatgggtg	ttcttgaata	tttcacaagt	aattcttggg	tttgggaatac	720
tgagaatgtc	aatatgttaa	tgaatcaact	aaaccctgaa	gataaaaaga	ccttcaatat	780
tgatgtacgg	cagttacatt	gggcagaata	tatagagaac	tactgcttgg	gaactaagaa	840
gtacgtattg	aatgaagaaa	tgtctggcct	ccctgcagcc	agaaaacatc	tgaacaagtt	900
gcggaatata	cgttatgggt	ttaatactat	ccttgtgata	ctcatctggc	gcatttttat	960
tgcaagatca	caaattggcaa	gaaatatctg	gtactttgtg	gttagtctgt	gttacaagtt	1020
tttgtcatat	ttccgagcat	ccagcactat	gagatactga	agaccaagga	ttcagcatta	1080
gaacatctat	acatatgggtg	atctaaatgt	acaaaatgta	aaatgtataa	gtcatctcac	1140
tttttgtcaa	gacattaaac	catcttagat	cggagtgtga	agtaaattat	ggtatatattt	1200
atgtaacatt	ttaatgttta	tgctcataaa	acttagtgaa	cacactgtgt	tatgccagct	1260
caaacttaca	gtagccacca	aaaccatgac	ttaatatattt	gagccctaga	agaaaggggt	1320
gtgctgagga	caagagtggg	gaaataggaa	cactgaccag	tataactgtg	caattctgga	1380
acatattaat	taaaataata	tgctttaaca	tatagtgaat	ttctaattct	aatgttcagt	1440

gcaatggaag	acattttattt	ggacagtaat	actagcaaag	ttggtagata	tttgattctt	1500
cattttttgt	ttttttcatt	agttgaagt	ggtttttagt	ttgtttaaaa	ttataaccag	1560
cgtattttca	catcattctg	taagttaa	gatatcaa	atgaaagaga	tgttctcatt	1620
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tgaaagatga	attccttcaa	gaaaaataaa	ataatgctta	agataatgtg	tacgaaatta	2160
aataaaggac	tttatttaca	tactacataa	ggtagcaaac	tgttgaatga	gtttgaaggt	2220
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taatagcaag	aaaattgatg	tatatttttaa	tgatacatta	aaattccctt	ttaatcataa	2340
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gtttaaagag	aacagttcgc	aatacaaaaa	gttacatgga	gctttacatc	tttaactttct	2520
ttgtcaattt	aaatgcaatg	gataaaaagg	ttattttgct	attgtgaaaa	actaattgta	2580
aaggaaatca	cctactttca	tgagggtgta	taatcttgaa	aaggaaaaat	gcttccatgt	2640
tgaagccaga	ttttctgtag	taaaactttt	aaatattat			2679

<210> 5307

<211> 2119

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4)...(2021)

<223> similar to gi4868122 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5307

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ctgtgcggtg	gcttctaccc	tcggctgtcc	tgctgcctgc	ggagtgcag	cccggggcta	180
gggcgcctgg	agaataagat	attttctggt	accaacaaca	cagaatgtgg	gaagttactg	240
gaggaaatca	aatgtgcact	ttgctctcca	cattctcaa	gcctgttcca	ctcacctgag	300
agagaagtct	tggaaagaga	cctagtactt	cctctgctct	gcaaagacta	ttgcaaagaa	360
ttcttttaca	cttgccgagg	ccatattcca	ggtttccttc	aaacaactgc	ggatgagttt	420
tgcttttact	atgcaagaaa	agatggtggg	ttgtgctttc	cagattttcc	aagaaaacaa	480
gtcagaggac	cagcatctaa	ctacttggac	cagatggaag	aatatgacaa	agtggaagag	540
atcagcagaa	agcacaaaca	caactgcttc	tgtattcagg	aggttgtgag	tgggctgcgg	600
cagcccgttg	gtgcccgtga	tagtggggat	ggctcgcaac	gtctcttcat	tctggaaaaa	660
gaagggttatg	tgaagatact	tacccttgaa	ggagaaattt	tcaaggagcc	ttatttggac	720
attcacaac	ttgttcaaag	tggaaataag	ggaggagatg	aaagaggact	gctaagcctc	780
gcattccatc	ccaattacaa	gaaaaatgga	aagttgtatg	tgtcctatac	caccaaccaa	840
gaacgggtggg	ctatcgggcc	tcatgaccac	attcttaggg	ttgtggaata	cacagtatcc	900
agaaaaaatc	cacaccaagt	tgatttgaga	acagccagag	tctttcttga	agttgcagaa	960

ctccacagaa	agcatctggg	aggacaactg	ctctttggcc	ctgacggcct	tttgtacatc	1020
attcttgggt	atgggatgat	tacactggat	gatatggaag	aaatggatgg	gttaagtgat	1080
ttcacaggct	cagtgtctacg	gctggatgtg	gacacagaca	tgtgcaacgt	gccttattcc	1140
ataccaagga	gcaaccacca	cttcaacagc	accaaccagc	ccccgaagt	gtttgctcat	1200
gggctccacg	atccaggcag	atgtgctgtg	gatagacatc	ccactgatat	aaacatcaat	1260
ttaacgatac	tgtgttcaga	ctccaatgga	aaaaacagat	catcagccag	aattctacag	1320
ataataaagg	ggaaagatta	tgaaagttag	ccatcacttt	tagaattcaa	gccattcagt	1380
aatggtcctt	tggttgggtg	atttgtatac	cggggctgcc	agtcagaaag	attgtatgga	1440
agctacgtgt	ttggagatcg	taatgggaat	ttcctaactc	tccagcaaag	tcctgtgaca	1500
aagcagtggc	aagaaaaacc	actctgtctc	ggcactagtg	ggtcctgtag	aggctacttt	1560
tccggtcaca	tcttgggatt	tggagaagat	gaactagggt	aagtttacat	tttatcaagc	1620
agtaaaagta	tgaccagacg	tcacaatgga	aaactctaca	aaattgtaga	tcccaaaaga	1680
cctttaatg	ctgaggaatg	cagagccacg	gtacaacctg	cacagacact	gacttcagag	1740
tgctccaggc	tctgtcgaaa	cggctactgc	acccccacgg	gaaagtgtcg	ctgcagtcca	1800
ggctgggagg	gggacttctg	cagaactgca	aaatgtgagc	cagcatgtcg	tcattggagg	1860
gtctgtgtta	gaccgaacaa	gtgcctctgt	aaaaaaggat	atcttgggtc	tcaatgtgaa	1920
caagtggaca	gaaacatccg	cagagtgacc	agggcaggta	ttcttgatca	gatcattgac	1980
atgacatctt	acttgcgtga	tctaacaagt	tacattgtat	agtttctggg	actgtttgaa	2040
tattctattc	caatgggcat	ttatttttta	tcctgtcatt	aaaaaaaaaa	gactgttattc	2100
ctgctacaca	aaaaaaaaaa					2119

<210> 5308

<211> 1550

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (17)...(1495)

<223> similar to gi3327146 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5308

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tgctccaatg	ggcctagcac	tgaagaagaa	aagcattcct	cagcccacaa	atgccctgaa	120
atccttcaac	tggctctaaac	tgcccagaaa	caaactggaa	ggaacagtat	ggaccgaaat	180
tgatgatata	aaagtcttca	aaattctaga	tcttgaagac	ctggaaagaa	ccttctctgc	240
ctatcaaaaga	cagcagaaaag	aagcagatgc	cattgatgac	actctgagtt	ccaaacttaa	300
agttaaagag	ctttcgggtga	ttgatggctg	gagagctcag	aattgcaaca	tccttctatc	360
gaggttgaaa	ttatccaatg	acgaaatcaa	acgggcaatt	ctaacaatgg	acgaacagga	420
agatctgccc	aaggacatgt	tggaaacagc	cttgaaattt	gttcctgaaa	aaagtgcacat	480
tgacctattg	gaggaacata	aacatgaact	ggatcggatg	gccaaggctg	ataggttcct	540
ttttgagatg	agccgaatta	atcactatca	gcaaagggtg	caatcgctgt	acttcaaaaa	600
gaagtttgca	gagcgtgtgg	cagaagtga	acctaaagtg	gaagcaattc	gttctggctc	660
agaagagggtg	tttaggagtg	gtgccctcaa	gcagtgtgctg	gaggtgggtt	tggcatttgg	720
aaatttatatg	aataaaagtc	aaagagggaa	tgcatttgga	ttcaagatat	ctagcctaaa	780
caaaattgct	gacacaaaat	ccagcatcga	caaaaacatt	acccttttgc	actatctcat	840
cactattgtg	gaaaataagt	accccagtgt	tctcaatcta	aatgaagaat	tgcgagatat	900
tcctcaagct	gcgaaagtaa	acatgactga	gctggacaaa	gaaataagta	ccttgagaag	960
tggcttgaaa	gcagtagaga	cagagctgga	atatcagaag	tctcagcccc	cacagcccg	1020



agataagttt	gtgtctgttg	tcagccagtt	catcacagta	gccagcttca	gcttctctga	1080
tggtgaagac	cttctagcag	aagctaaaga	cctgtttact	aaagcagtga	agcacttttg	1140
ggaagaggct	ggcaaaatac	aaccagatga	gttctttggc	atttttgatc	aatttcttca	1200
agctgtgtca	gaagccaaac	aagaaaacga	aaatatgaga	aagaaaaagg	aggaagaaga	1260
acgtcgagct	cgcattggaag	ctcagctcaa	agaacaacgt	gaaaggggac	gtaaaatgag	1320
aaaagctaaa	gagaatagtg	aagaaagcgg	agagtttgat	gaccttggtt	cagctttacg	1380
ctcaggagaa	gtgtttgaca	aagacctttc	taaattgaaa	cggaatcgca	aacgtattac	1440
caaccagatg	actgacagca	gcagagagag	accaatcaca	aaacttaatt	tctaattttc	1500
catgaatact	tttttttaga	aagctcatta	gcagccctct	aaagtgactg		1550

<210> 5309

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(392)

<223> similar to gi4680392 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5309

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ctccgccgcc	gccgcttgcc	tgctgctcaa	agctgctgcc	gccccttggg	ctaaaagggt	120
ttcaaatgga	acattttgat	gcatactta	gtacctattt	caaggcattg	ctaggccctc	180
gaggtatcag	cagctctgtc	ctcagaatgg	gtccccact	tcacacagtt	gtaggatggc	240
tacagcagct	ccaagcagca	cattcagagg	aagaagaaaa	aatgtttcat	ttgtgtgggt	300
ttaagcataa	agaagttggt	tcccagagct	ctttgccagc	tgatcatccct	caaaactcac	360
tggccacaat	tgcttcacat	gcacctgcct	gaaccagcca	ccagaggggg	ttaggaccac	420
cacagattga	ctagatccta	aggattctct	acctggggct	ggagttcggg	tcaggtgccc	480
gggaagcact	gtgcggtgtg	ggaggatgaa	tatgtgccaa	tttggaagaa	tgagtatttg	540
tgggaaaatg	aataaagcaa	agtgtaaatc	agaggtttta	gttaaaaaaa	aaa	593

<210> 5310

<211> 940

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (4)...(137)

<223> similar to gi3242244 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5310

gggcgtaagg	gatcaggaag	tgagcggctg	cctccctcag	ggctcctggc	caaacctcca	60
aggacagccc	agccccccag	gccaccagtg	cctgagccag	ccacaccccg	gggtctccag	120
ctttctgcca	acatgtaaaa	cctttgagta	catccagcct	tagttcttgg	ggcgagtag	180
tatgtaccca	agggcagatg	cctcttgggg	aaggccatgg	ggacctgaaa	cattgccccca	240
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tcagctcaag	aatcctgtag	cttgtcccat	cataatccat	tcacccgttc	atcatgtgta	360
ctgagcagct	accatgttca	aggtaatatg	ccaggcgctg	tatgtctcca	ctgccaagta	420
gaagtgactc	aaaaccctct	gacaaggata	ttcccttggc	tatggtcctg	ccagggtgcag	480
gcccaggccc	atgaccccac	ctttactaag	cacaagtact	tgccactgcc	atcactgcca	540
agtaactaga	tgtctctgtt	tccttgccaa	tgatcctgca	ggttctgccc	ggctctggta	600
tcttcctgtt	cctgtagcat	agccaggcac	tgccaatcac	ctgtgcccc	attgctgtca	660
gcagatgtct	tgggtcctga	gtgtgggtat	ccacttttac	ccgctcactg	ccacctgtgg	720
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tgtggtagac	catctttttg	taaactggga	gcttcctctt	ccctgtaccc	tctgccccag	840
tcgtgacccc	ctaaaagtta	aggggtagtt	ggcacctcct	tattaatatg	ccagcctaga	900
tcccccccg	tggaggggca	aatggctgaa	tccttgtgtg			940

<210> 5311

<211> 902

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(903)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (2)...(595)

<223> similar to gi5031291 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5311

ggagccctca	ccacccccac	cgcttggtg	ctggggctgc	tggcataagg	ggcacgggga	60
ggccatgccg	ctgcacaggt	atgggggtgg	tgaggcgcc	gtaggcgctg	aggccgggga	120
ggcgacctc	gggggtggcg	gtgggggccc	ctccgtggct	tcacccacct	ccagctccgg	180
cagctcctcg	aggggcactg	agaggccgcg	ctcactcaag	aggggctcca	agccgtcggc	240
gtctctggcc	tcgctggaga	agcgcatgaa	gatggtgtcc	cagagcttca	cccagcgctt	300
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ccctgtcctc	tacctctgtg	gccaccacag	cttccgcggg	gccttcacca	agctgctctg	540
ccccagaag	ctcaaaatcc	agccccacag	ctccctggag	cactgctgga	agtgagtggc	600
ccaccagagc	ctccctcagc	cacgcctctc	tcagcccagg	tctcctggaa	ttctggccct	660
gctgccccct	acccggctcg	ttccccccag	ggtgagcccc	gccgtgtctg	tggccctctc	720
ttaatgccac	ggcagccacc	ctgccatgga	ggcgcttccc	tggggttggc	cagaggggcc	780
ttcactggct	ggactggagg	ctgggtggcc	ggccctgccc	cccacattct	ggctccaacg	840

ggagggacag tctggaggtc ccagacatgc tgcccaaccn ctgctgggtgc ccancctttgc 900  
at 902

<210> 5312  
<211> 2604  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (2607)...(909)  
<223> similar to gi805095 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5312

tttttttttt	ttactccaaa	gggtttattg	agacaagttt	tcacatacaa	gatggggaca	60
gaggggttgg	ggcttataaa	caggaacctg	gaaggggacc	gaggggtgcag	ggtagaacca	120
aacaagagag	tgaataaat	agagggaaaag	agtggagaca	gggaggagac	tgactgagac	180
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atacaggagg	ttcaggggga	cccaggcccc	actccaccct	ccatgcccc	gggaggggca	300
caagaaagcc	gtctctaccc	atgggcgacc	ccatggggcg	ctgggagggc	tgccctagga	360
gtgttgggca	atccctggcc	tggaagcctt	ggttagtgtc	tggaagcag	tgagaggggc	420
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ccccgcccc	gatagtgtcc	atgatgaaga	cgtcttcatg	tggccggggc	tggggtgtgc	2040
caggaggcgg	gccagtcact	tttgggggca	gcccatacc	atcccgcagg	tcagccagaa	2100

tgccttggag	tttgacccga	cggttttcca	gtcatgggg	gtcccatcc	acagtgcacc	2160
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tcggctccac	tgccccgttg	agctccagcg	agcgcccag	cagggaaacg	acgcgcttgg	2580
accgatgtc	gaggatgggt	tctg				2604

<210> 5313

<211> 2806

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2792)...(439)

<223> similar to gill50625 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5313

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atagatcgta	ttaaaaaaac	ttaaaaagat	ttaaaaccaa	tactatgaaa	ttgattttct	180
taaagtaata	gtaatcttaa	attgcaggtt	gtagttgggt	ttccaggctt	atttatatgt	240
ttgattgtgg	ttggatatat	aaaggagttt	ctttcatttc	agaatgcctc	cagtctcatt	300
ttattatata	aaagagtcca	gaattttttt	tcccttcaca	aatccttcaa	catcaggaca	360
aggcatgtta	agttacaaat	cacctttggt	catcatcttc	ttcttgagtc	acaggtctga	420
aaggcaatgt	agtttgtcct	ctttcaggat	cagacattcg	gagaattctt	atcagtttac	480
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aatctgccat	cttcagtatc	aagtccatgg	caattctcct	attaaccata	tccatgtaga	600
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aacacactgt	ggagaaagaa	cgttcacctc	cagacaaggc	tctcatgtca	ttgaaagcag	720
ctttatttcc	ttctccaggc	tgaactgata	tacttagagt	ttcattcttg	tgggtcaaat	780
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aagtcaaaca	ccttctaaat	tgttgatatg	tcttgaatct	gtgctccatg	atttctccca	900
gtaatttaat	aaactttttt	aaagtcccca	ctttactatc	cagatcaaga	taggtctctc	960
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cataatgtcg	tttccctcgt	ttttggttat	ccacttcaga	atcagcaagg	tttaattcat	1260
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cagaattatt	tttgattagt	agcactgtct	ctatgcctct	catgtcaatt	aggctatttg	1860
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cagctctgtg	tcttacatca	tatatctcat	tccgacactc	agaaactatt	atcgggtggcc	1980
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gttctgggtc	ccgaagatga	atgcaagctc	ctaaagggcc	tacaggttta	taggtaaaat	2160
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aagattggtc	agtacttttt	ttcagctctt	caattcgctt	acaaagctgc	tcatcatctt	2520
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cccttttctt	agcaacaaca	tctgctttca	atgccataca	ttctgggtgct	cgtgcatttg	2640
tctcttca	aatcttttct	agtttgtctt	gaatatacct	gtacttttgt	tctgcctcat	2700
taagtctgac	ctgctgttct	tccattttcc	tgtcaagtct	agcagcacga	tcttctccaa	2760
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<210> 5314

<211> 1725

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1726)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (5)...(224)

<223> similar to gi5107000 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5314

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gaagatcttt	gcacctcgag	gcctctact	tacagaccct	gtggagcgtg	ggatgagggg	180
tattgagatc	tccatctacg	aggaccgggtg	cagcagtggc	agctccagca	gcggcagcag	240
cagcggcagt	ggcagcagca	gcgggtggggg	tggtggggcg	ggggcccggg	gactggccga	300
gagtcctctg	agggaggtgt	atggccggag	tgagggcctt	gcagacctgc	ggcggctgcg	360
ctaccagagc	accgccttct	gagtcattct	ttgggctcac	cctgctgccc	gggggtggag	420
ggaggggtgac	gggcctcata	tttctgtgg	gccatcaacc	tatgccccct	gtccctcacc	480
cccgtctgga	tcagtccatt	tctgacctg	ggggcttttc	cttcccgatg	gggctgggtct	540
gggccacaca	gagacagatc	ttcctaggaa	ggctgggggtg	gggagaacac	aacctaggcg	600
gccctctct	tccacagccc	ctctcccaac	cctgcgaggg	gggccgaggg	ctaccacata	660
gaggactccc	acactgcatg	acccctcacc	ccaaacccat	atccaccagg	actctttccc	720
ttgggccttg	cgtcccgtgg	ctgtctccca	gtatctgttc	cttctcatgc	ccctgcaggg	780

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ggttgggagc	tgttcagcgc	actcctgacc	tcttctagac	ctatggcttt	cctgtcctgc	900
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gtaagtgcag	tgtgcgtaaa	tgtgtgagtc	tgcgtgtgtt	agcatgcctg	tatgtgagcg	1200
cgtgtgtgag	cgcattgtgtg	tgcaccagtg	cacaagtgtg	tgaatgtgga	cacatttata	1260
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tgagtgtgag	tgcattgcag	tgcattgaaca	tgtgtgcaca	agcatgtgtg	tatgagtgtt	1380
catgtgtatg	agtgtgtgtg	tatgcagggtg	agtgcattgtg	tgtgtgagtg	tgtttgtgtg	1440
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ttagttggga	ggaggaaggc	cnggggtttt	taggggaaag	gaaggagncc	aaacttttgg	1680
ttgggccttt	tggtggcccc	ctnttcaggt	tcccatgaa	caagg		1725

<210> 5315

<211> 2185

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2075)

<223> similar to gi2822143 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5315

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gagaagctca	ccagaagtga	tgagtggagg	ccttcatttg	tgaaccacag	tgctcacgtg	180
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ctccagcaac	aggtcttaaa	cagtgggtgg	aagctgtaca	gggataccca	ggatggggaa	300
gcctttcaag	gtgaacagaa	tgatttcaac	tccagccaag	gtgggaaaga	cttttgccac	360
caacatgggc	tgtttgagca	ccaaaaaacc	cataatgggg	agaggcctta	tgagttcagt	420
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catcaggaga	ttctcagtag	accaacacct	tatgaatgca	cccagtgtgg	gaaggccttt	660
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ggaaaattct	ttagtccaccg	ctccacactc	aatatgcacc	agagagttca	tgctggcaaa	960
aggctttata	agtgtagcga	atgtgggaaa	gccttttagcc	tcaaacataa	tgttgttcag	1020
catctgaaaa	ttcatactgg	agaacggcct	tatgagtgc	ctgaatgtga	gaaggccttt	1080
gttagaaagt	cccacctagt	tcagcaccag	aaaatccaca	ctgatgcatt	ttcaaaaagg	1140
tctgacctca	ttcaacacaa	gaggattgac	attaggccaa	ggccttatac	atgcagtgaa	1200
tgtgggaagg	ccttccttac	acaggctcat	ctggttggtc	accagaaaat	ccatactgga	1260

gaacggcctt	atgaatgcac	tcaatgtgcg	aaggcctttg	ttagaaagtc	ccacctagtt	1320
cagcatgaga	aaatccacac	tgatgcattt	tcaaaaaggt	ctgacctcat	tcaacacaag	1380
aggattgacc	tcaggccaag	gccttatgtg	tgtagtgaat	gtgggaaggc	cttccttaca	1440
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gaatgtggga	aattcttttt	ggacagctac	aaacttgtta	ttcatcagag	aattcacact	1560
ggagaaaagc	cttataaatg	cagcaaagt	gggaaattct	ttagatatcg	ctgtacactg	1620
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aaatcgagcc	ttattataca	tcagcagtct	cacactggag	aaagtccttt	taagttaagg	1920
gaatgtggga	aagacttcaa	caaatgtaat	actggtcagc	gccaaaaaac	tcacactgga	1980
gaaaggtctt	atgagtgtgg	tgaatccagg	aaagtgttta	aatacaactc	cagcctcatt	2040
aaacatcaga	taattcatat	tggaaaaagg	ccttagtgga	gtgaatgcag	gaaagtcacc	2100
aaaactgtca	cctcattcag	caccaaagg	ttcacatcgg	accaagaacc	tattaatata	2160
tgtaaatacta	atgttgaaag	agttc				2185

<210> 5316

<211> 1446

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1222)...(265)

<223> similar to gi709961 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5316

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cagaatgctg	ggtaggtgct	ggtggtgaaa	actgcagggc	taaaacttgc	tcaacaatga	180
actagggacc	actatggctt	aatgaacatg	gccaccct	cctactaatg	gttttgtcaa	240
cttttgacc	ctagaaattc	agaattttct	ccttcttctt	ctgccagctt	tggtccgtgt	300
ccgactacct	ggctggacag	taacttgctt	tttaaagtcc	actaagcaat	ctgtggcttc	360
tgaaatggaa	acaaaagact	tgacgggaga	ttcattttaag	tcacgacgtg	tgaaagaact	420
ctgcatctct	ctgctgcagc	ctgcctcttc	catccctggg	gaaggcaccc	tgaaggctcc	480
tgtttctgaa	gacttgatgt	ctgcatctga	agtcttggtc	tcagactggt	ccaagaaact	540
aaggagtgcg	ccttcaactgt	ggcctttttc	ctttgggttc	ttcagcctct	gctgccactt	600
cccctccaca	gttgaacatg	ctcttccact	cccttcagg	ccatctcctt	ggtcagcctt	660
tgcaagctgg	agacaggagt	ccacatgaca	ctgatactct	ctaaatggga	ccagggattt	720
acagaggtaa	cacttctcat	tcttgtcaat	gtctagagaa	gtctgggcag	ctgtcccact	780
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accattgcag	tacatggcat	gtcgttcaat	ctttgtgggt	ggaaagcatt	ggtcacatag	900
cgggcaggat	acctgggttac	tggatgagaa	ggtagaaata	gtacttctct	tctcagcttc	960
ttccttggtta	ccaacctcct	tatctgccat	tattattctg	actccatcca	agatatctct	1020
gctacctgga	gagacttctc	tttcaaggtc	aaaagtttca	gaggaaactta	gctgtgtctc	1080
aggacaaaca	gtgatttctt	ctgcagaact	ctctggcata	aggactaagc	ttctcttact	1140
ggtcaaagca	gcaacacttt	gtgaagcagg	tacagagttt	ccctcttcag	aagtttcttc	1200
aacaatccct	tgggaagact	gcaaagaaat	acgtagtatc	ttaaatatac	aggcacaggt	1260

gaactggctt	ctcttccttt	tttaaaaaaa	tttaattggt	caatgttctc	cctcaacaat	1320
taacaataag	aagaaaatat	ttcccataag	ccagtaagtg	tcaataaaac	aagcacatcc	1380
tgtaaagtca	gaagactggg	atttaaatca	gaactaaatc	ctcgtgccaa	gcttggcggtg	1440
atcagt						1446

<210> 5317

<211> 2681

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (475)...(1170)

<223> similar to gil769491 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5317

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ggcattcaga	ttgcagatca	tcagttgaga	caagccacca	agattgcttc	agcacctgaa	180
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gcctcacagc	tctcccagct	gacttcaaat	ctggcccagg	tgaatcggac	aaatatgact	300
ccctcagacc	ccctgcagac	ctcgtgtct	ccagaacttg	tttccactcc	tgttcctccc	360
cctcctccc	gggaggagac	caatctggaa	gcattctcct	ccgatgagca	gcctgcgtcc	420
ctcacaatag	cccacgtcaa	gccaaagcat	atgaagagga	atgggagctt	tccaaagtac	480
tatgcctgcc	acctgtgtgg	acggcgcttc	actctccgga	gcagcttacg	tgaacacctc	540
cagatccaca	caggagtacc	tttcacatct	agccaacagg	gagaaagtcg	cgtccccctg	600
actctctgta	gcaatgcagc	tgacctcggg	aaagatgcca	tggaagtgcc	tgaagccggg	660
atgataagtg	acagtgaagt	gcagcacatc	tctgattctc	ccatcatcga	tgggcagcag	720
cagtcggaaa	ccccaccccc	ctcagacatt	gctgacattg	acaacctgga	gcaggccgac	780
caggagaggg	aggtgaagag	gcggaagtac	gagtgacaaa	tatgtggacg	caaatttatc	840
cagaaaagcc	actggaggga	acacatgtac	atacacaccg	ggaagccttt	caagtgcagc	900
acttgtgaca	aaagcttttg	cagggccaac	caggctgccc	gccacgtgtg	cctcaaccag	960
agcatcgaca	cttacaccat	ggtggacaaa	cagactctgg	aactctgcac	atttgaagaa	1020
gggagtcaga	tggacaacat	gctggtgcaa	acaaacaaac	cctacaaatg	caacttgtgt	1080
gacaaaacat	tctccactcc	caatgaggtt	gttaaacatt	catgccaaaa	ccagaactcg	1140
gatgtttttg	ccctagacga	agggcgatcc	attctcctgg	gcagtgggga	ctcggaagta	1200
acggagcctg	accacccagt	gttagcttcc	atcaaaaagg	aacaagaaac	cgtcttacta	1260
gactgaatgt	cacttatctt	tttaaaaaac	tctcattttt	acaaagacta	tcttccctcc	1320
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tctcctcttc	cccttttcca	catcccagcc	ccacctctgt	aaaggctttg	tgcattataa	1440
acctggaatg	tatcgacttt	ctttcagggg	atattggaaa	gataatggtc	attatactta	1500
taaactcaaa	ttttgagagg	ttttagatta	ttcagaagca	tacttggaa	taatgaaggg	1560
tatataataa	aacaactgga	atccaatttg	gtaagctaaa	attatgactt	tccctgggta	1620
aaaagtcttc	tcagaaaaac	aatgtcagaa	aataacagcg	tgctgcttag	aaatacggct	1680
gggctctgta	ctatgcaaaa	tctagaaagt	gtggggaaac	tttaaaccga	agaaaacggt	1740
cttagtattc	atcctccagg	tgtcttactt	cagaatgcat	cctttgagat	tatgtccact	1800
taagagaaat	catcagttaa	gaaatctact	tttaacaaaac	aaaaaggaga	aaaagtaata	1860
atgtgatggc	aatcttaatt	tttgggtaca	acatgacaag	ctgtgagttt	gtgtgtttgt	1920
aagagaaaaa	tgtgtgggta	cttgctaata	aacaggtgaa	ttaatgcaca	tccttatctc	1980



attgctggct	tctttccaag	ttgagcaaca	acaaaatgct	gtatttgagt	ttctgacaaa	2040
tttgttttta	aaatcaaatt	tgaatgtact	attctataaa	ttgcctttct	gaatagaaca	2100
tgacatgcc	ttttctagca	gctgccagtg	ataatttggt	ttacactaac	ttttaaatca	2160
gtgtgtgtac	tgcagggaaa	aggatatagg	aatactcatc	ttacagggga	atgtgtgacc	2220
agaagatgta	gtaacttcaa	tgactgaaag	tcaatgctga	tagtttactg	gcaacattaa	2280
ttgaagcatc	aaaaataaat	ggcaaagaga	aatcaggaca	aaaaatctaa	ttgctgtttg	2340
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ctttcttaat	gcctgaaatt	ttctccattg	gcccgaagc	agtaaaaatt	gttcattaat	2460
cttcggttag	gccaataaaa	gaagggcctc	acaagacaaa	acaggagcca	gaagtaagga	2520
ctgaaggaga	aggggagaat	agctaatagc	tatagtatat	gtatatgtta	aaaactgaat	2580
atcccatcat	cctatttcat	gtatagttga	gttctcaaat	ttgtaagttt	ttatacatcc	2640
tttcattgaa	taaacgttta	attaaatgac	taaaaaaaaa	a		2681

<210> 5318

<211> 1044

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (973) ... (379)

<223> similar to gi2760121 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5318

ttttttcaat	attacaacaa	tctttattgg	aaaaccccaa	gtattttgtc	ttgaaaaatc	60
agcaatccag	gtattaaaaa	tagcatggaa	tgcccaattt	tactttgata	attacatggt	120
agtcagtttc	cgctcctggc	taaagccttg	gattttcttc	tgggcagttc	ctaaaggcac	180
agggtggcatg	gaagaaatca	ttccattttc	gtctcctccc	cttatttgat	tggggtgtct	240
ggttaccaaa	aagagtcac	aggcccttgg	attaccttct	tgaactgac	ttctagatcg	300
caagtcaaga	ctgccatcat	gttcccccaa	atgcaaaaag	ccttggttgc	ccacctctct	360
cctttccaga	acaagtggag	tgggggttgc	tttcttctcc	atatcctgca	gcttgatcaa	420
tttttctatc	aggaacattt	tatctttgcc	ctcattaatg	atctgctcat	ggagcagcct	480
tatcataatc	ttccttccct	ctgtgatctg	ccagtaaaga	taggtgatga	ttagcacaat	540
gagggtgagg	atgaaaaaga	agtgcacact	tccaatgagg	ttccgataga	tccaacaac	600
ccacaggtag	ccaggccgtg	tacttagggg	gtcgatccag	ctgtagatgg	agtgaatgaa	660
gagaggcaga	cctcgaaaag	ggccacagtc	agctgaaggc	ttcaatctcc	agatggtgat	720
ggccagggtg	cacaagaccc	cgggtgaagg	tgggaaaaag	agcaagaaga	tgaagaaagt	780
catcatctgt	gaggcccggc	aggctttgct	cggaggctgg	aaattcatca	tcaggctgat	840
atttttggag	tagaccatga	tgaaaagcat	aatcatttgg	ataaagggca	gcagggggca	900
aaagaatatg	ccaatccacc	ccagagtttg	tgcatagatc	agttgtagaa	cgttcctggc	960
aatgtcaaac	tcttgaaggc	caagacttgt	gatcagttgc	atcccaatga	ttataatcag	1020
caaaagcgtc	gggccacgcg	tccg				1044

<210> 5319

<211> 1480

<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(542)

<223> similar to gi303694 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5319

cagagaagca	agttcgagaa	cgaggagttt	tttaggaagc	tgagccgcga	gtgtgagatt	60
aagtacacgg	gcttcaggga	ccggccccac	gaggaacgcc	aggcacgctt	ccagaacgcc	120
tgcgcgcagc	gccgctcgga	aatcgctttt	gtggccacag	gaaccaatct	gtctctccag	180
ttttttccgg	ccagctggca	gggagaacag	cgacaaacac	ctagccgaga	gtatgtcgac	240
ttagaaagag	aagcaggcaa	ggtatatttg	aaggctccca	tgattctgaa	tggagtctgt	300
gttatctgga	aaggctggat	tgatctccaa	agactggatg	gtatgggctg	tctggagttt	360
gatgaggagc	gagcccagca	ggaggatgca	ttagcacaac	aggcctttga	agaggctcgg	420
agaaggacac	gcgaatttga	agatagagac	aggtctcatc	gggaggaaat	ggaggcaaga	480
agacaacaag	accctagtcc	tggttccaat	ttaggtgggtg	gtgatgacct	caaacttcgt	540
taattaatag	cacagcagat	gtgtgctgcc	catctttaca	tacacattgc	ttctagttag	600
cagaaataat	tgattaaaag	accagaaaact	gtgataactg	gaggtactac	ggtctatttc	660
tcaaccttag	gcagtaatat	acatcacaaa	ctgccatggg	tttgacttat	gattataata	720
cctgcatttc	taatttttta	agcatgtagc	cagtaataat	ttgaagtttt	ttttctatgc	780
aagcttacct	tgttggcatt	attttaggga	gttgaaacta	tcaactgtaa	agctcctttt	840
cttccacttt	aattttaaaag	ttcatgtcat	ttaaaaacaa	gtcaagaaat	taaaattgta	900
tcagagggtt	ttctctaate	attttttcta	tttttttttt	tgtacttcta	aatgtttggg	960
ttatacagct	tcatttttaga	tgaccattct	tatttttttg	ttgttttgcc	ccatttcctt	1020
ttgtgttttt	atagtctata	gcatttttaa	actgctgatg	ttgtttgcat	tatttacagg	1080
ctaaaaactt	agtagcatag	agctgtctgc	cacagccttc	tgacaaagtt	tacagttatt	1140
aaagttgcag	tatcctttta	aatgctagta	atcagcactc	tttctttttt	ttttttttaa	1200
aaaaaacggg	gcctccaagg	gtgccccggg	ggggcccaaa	ccccggggaa	aaaagggaacc	1260
ccccgcctta	accccccaaa	ggaccgggga	taacggcctt	ttttttttta	aaaaaaaaagg	1320
ttaaaagggg	gataaacccc	ggcccccgcc	ccaaaagggt	taaacctcgg	gtccggaaac	1380
aaggagtggg	gggggaaaaa	tcccccaaaa	agaacctcta	ccggaaggcc	caaaaaaagc	1440
cccgggcggc	ttttggttta	atccgggggt	tttttaaaaa			1480

<210> 5320

<211> 956

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (937)...(614)

<223> similar to gi1710282 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5320
tttttttttt ttgagaaaca agcattttgtg tttattaacc aaggagaggg aagtcaaagc 60
aatgcagact cctaaccagt ccctcctata gtctgcccac ctaggccagc tgccaaggac 120
taggaagagc agtggatagg cccctcccca ctgccccgac cccaggggtga gttctgctgg 180
gtaaggaaga ggaagtcagc aaaggacaga ggccaaggaa agaaggagga aacagagccg 240
ctggggagac aggattgagg agatcccttg gcccctcact cacagtgggg agggcaaagc 300
accgcaaagt cagccccaca agaggaacta agcaggagta cactcatgtc aaaaaccttg 360
tattggggga ggggaggagg gggttctcag gtgtccaaag ccaagaacaa aaccttgga 420
gagtcagtcc ttgccaaga atgctggtcc agcctctaag cctttgctc cataccaagt 480
tcacaacagg gtggagcctc tgacacggcc gtctagagaa tggatgcaag agaggtccag 540
ggaccacttg cctctgtaag atccgtcctg tggcgaattc caggccagc ggcgcctagc 600
cttcagctgc tgggctctcc cgagcctgcc ttagccata caaccacttg atcacgcggg 660
cattcgctc caccaccgac acgccatagg gaacgcgtc cggggccgc tectcaacag 720
tcaccgagct gcggcgggag cagccccctt cagagctgcc cggcccagca ctgggcccctg 780
ccagggacac gatatccgag ctggcccgtg ccagggtggc cacaccaac cctctcgct 840
cctccgggtc caggccgcag aagttaaaaa agcgtcagag atcagcggt gccctagaaa 900
agcgctcgct caagtccgac ttggagcggt ggaattccac cactactggaa tgggtga 956

```

```

<210> 5321
<211> 777
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (92)...(557)
<223> similar to gil799568 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5321
gtgtggtgca attccctata gtgagcggga tgagctgacc gaggatgggg aaggcagcat 60
ccgcagctct gaggaggggc ctggtgacag tgcattcca gtattcacag cccagcaga 120
gagtgaaggg ccaggaccag aggagaagag tcctggacag cagctcccca aagccaccct 180
gcggaaggat gtggggccca tgtactccta cgttgcactc tacaagtttc tgccccagga 240
gaacaatgat ctggctctgc agcctggaga tcggatcatg ctggtggatg actctaacga 300
ggactggtgg aagggcaaga tcggcgaccg ggttggtctc tcccagcta attttgtgca 360
acgggtgagg ccaggcgaga atgtttggcg ctgctgcca cccttctccg ggaacaagga 420
acagggttac atgagcctca aggagaacca gatctgcgtg ggctggtgca gaagcaagga 480
tgctgacggc ttcatccgcg tcagcagtgg caagaagcgg ggctggtgc cagtgcagcg 540
cctgactgag atctgagagg agccaagga acccatgga cacccttgc catgcctgga 600
ccttgcttct ggccagggag gggatcaggc cccctgttcc actccatacc ctctccct 660
ctgtccctct cctaggtgcc acttaccgtg gcttaggagc cttttgtact ggggaagatt 720
ttatttcttg ggtggggtgc cctgagtggt ttgactctct gggacttggc ggngatg 777

```

<210> 5322  
 <211> 1980  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1778)...(935)  
 <223> similar to gi3043548 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5322

tttttttttt	tgagacagag	ttttgctctt	gttgcccagg	ctggagtgca	atggcgctat	60
ctcacctcac	tgcaacctct	gcctcccggg	ttcaagcaat	tctcctgcct	cggcctccca	120
agtagctggg	attacaggca	tgaccacca	tgcccagcta	atthttgtatt	cttagtagag	180
acagggtttc	tccatattgg	tcaggcttgg	tctcaaactc	ccgatctcag	gtgatctgcc	240
cgctcagcc	tcccaaagtg	ctgggattac	aggcaagagc	caccgcgccc	agcacggtct	300
tttcaaagac	cagataattt	atttaacca	ctgtctaaag	atggacattg	tgattgatca	360
cactatttta	tatgtaacat	tgaatggagt	gggtgagtc	taggaaacat	tctctcctaa	420
aagtttacat	ttttcattga	ctagaagtga	ccaaaataga	ttctactgat	gagaaaagac	480
ttttgaaagc	agtatggcca	ggttggcagg	tgaatggcct	caagagctta	ggatttcatt	540
gctactaaaa	gaacaagact	attcagttgt	gaaacaatga	tttagtcaa	tactgatgct	600
gtctcagatg	agtaactgca	aatcacttca	aaaggtagaa	gggtagctta	aatgtgaaaa	660
aggttactgc	cacttcattg	agggaagata	acaagcattt	gcaaatagca	aaatagaaa	720
aaataaatgg	tttcagtaca	agctcttata	ttcacttggc	atcaaaatag	tccaaaataa	780
atctgagaac	cacggcaagt	tatagctgtg	ttaatgacaa	aatgtgatat	ttactgttta	840
aatttagcag	ctggggagaat	ccccttataa	ggaagacaga	aaatacattt	atatccagac	900
tgcatctact	tttggaaaaa	tatgaccaat	cagatttttg	gtattattgt	tacaaccttt	960
tccttcacct	ctgcatcatg	gtgatcaact	aaagctctta	ttttctgggc	acattcttct	1020
ccatgtaaca	ggaaaaacaa	tgaaccttca	gtgaaagtag	gctgcacagc	taaatggcct	1080
tctattttga	ggcagttctt	tatattctga	aatagcgtaa	gtactcgaag	aagaatctcc	1140
tttgctacgt	ggctgtcata	aagggaaagg	aatgatgaat	ccacttgggc	acggagaagt	1200
ccttctgtca	tggctggatt	ttcagacaaa	ttcaaaaagc	gtttcaaaac	ttgcaccttc	1260
gtgtttccat	ttccagtaag	taacacctgg	aacaggtctg	taatgtaact	gtgaagcatg	1320
tgctgggtgt	cattggtaac	agtcattgtt	gtcaacaatg	tcagtccagc	cagctgcaca	1380
gcagagttca	gaggaccaga	gaagacatcc	tcacatactt	gactgatgta	tatctttatc	1440
ttgatttgat	tttcaacatt	cacactcagg	ttatttagtg	catttaaagc	tttctcttta	1500
atactctggg	tggaatgggt	gattttgttt	gcaacaattg	gaataccacc	caattcacga	1560
ataatagctt	ggttaactga	aaaggctgca	ttgttacc	aaagtaatcaa	agctctttca	1620
ataattacag	gatcctccgt	tgactccagc	aggtaaagga	gtttctgaag	ttgttcagca	1680
tttagaacat	catcatatga	accatcagtt	aagtcctctg	cggacttcga	agagcgtatc	1740
ccgagctcgc	ggtcgccccg	cgcccgaccc	cgggtcagcc	tgtaaatgca	gtagcaggcg	1800
ccgcgcgcga	gcagcaggcc	cgccgcgacc	cagccgcgcg	cccggggggc	acccatgctg	1860
ccgcgcgcgc	agagccgcag	cgccggggcca	gggcaggagg	ctcgcggggg	ccagcgcgga	1920
ggtctccagc	gcacgcgggc	ctagccgcca	cagcaaacgc	cacctgacct	ggctcgtgcc	1980

<210> 5323

<211> 620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (289)...(600)  
 <223> similar to gi2995577 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5323

tctcgctgcc	tcacttgagc	aagcatgagc	cgggagctct	ccatgaacgg	ccagggtgct	60
ggctatgagc	tctgcggtgt	gctgagccgg	ccttcgtcga	agcagaacac	gccccagtac	120
ctggcctcac	ccctggacca	ggaggtggtg	ccctgtaccc	ctagccacgt	cggcgggccc	180
cgcttgagga	agctgtcttg	cctagccgca	cccgaactaca	ctaggctgtc	cccggccaag	240
attgtgctga	ggcggcacct	gagccaggac	cacacggtgc	ccggcaggcc	ggctgccagt	300
gagctgcatt	cgagagctga	gcacaccaag	gagaacggcc	ttccctacca	gagccccagc	360
gtgcctggca	gcatgaagct	gagccctcag	gacccgcggc	ccctgtcccc	tggggccttg	420
cagcttgctg	gagagaagag	cagtgagaag	ggcctgagag	agcgcgccta	cggcagcagc	480
ggggagctca	tcaccagcct	gcccatacgc	atcccgtcga	gcaccgtgca	gcccacaacg	540
ctcccggctc	gcattccccct	ggccagcgtg	gtgcttgcca	gccgcgccga	gagggcgagg	600
agcaccceca	gtcccgtgct					620

<210> 5324  
 <211> 1000  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(677)  
 <223> similar to gi2662587 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5324

attgccaaca	tgtttctagg	aattatcatt	ttgaagaaaa	gatacagtat	attcaaatat	60
acctccattg	ccctgggtgtc	tgtggggata	tttatttgca	cttttatgtc	agcaaagcag	120
gtgacttccc	agtccagctt	gagtgagaat	gatggattcc	aggcatttgt	gtggtgggta	180
ctagggtattg	gggcattgac	ttttgctctt	ctgatgtcag	caaggatggg	gatattccaa	240
gagactctct	acaaacgatt	tgggaaacac	tccaaggagg	ctttgtttta	taatcacgcc	300
cttccacttc	cgggtttcgt	cttcttggtc	tctgatattt	atgaccatgc	agttctattc	360
aataagtctg	agttatatga	aattcccgtc	atcggagtga	ccctgcccat	catgtgggtc	420
tacctcctca	tgaacatcat	cactcagtac	gtgtgcatcc	ggggtgtgtt	tatcctcacc	480
acagaatgcg	cctccctcac	cgtcacgctc	gtcgtgaccc	tacgcaaatt	tgtgagcctc	540
atcttttcca	tcttgtactt	ccagaacccc	ttcacctgtg	ggcactggct	gggcaccttg	600
tttgtcttca	ttgggacctt	aatgtacaca	gaggtgtgga	acaacctagg	gaccacaaaa	660
agtgagcctc	agaaggacag	caagaagaac	tgaggcctgt	ctggagtacg	tagaccagtg	720

tcgtcgtgag	ggtgggaccc	tgtgaaggct	tgaccaccgt	ttecgcttttg	ttaatgccga	780
gctacccgca	gtgctgagcc	agccgtgcaa	aaggaaatct	tcaggagggg	acttctcacg	840
ttgctcagac	tgacacatgt	agactaaata	gaaacccctc	agccctaaaa	tagaaaaaag	900
aacagttctg	gactattgaa	cagcccatc	atattttct	gttttgttta	ccgacatatt	960
cagtattatt	cttgttttct	gaattctgag	tctcttgaac			1000

<210> 5325

<211> 1663

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1645)...(750)

<223> similar to gi484102 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5325

tttaagaact	aatcaaactct	ctttaatggt	taagcctatt	tgtatctgat	attttgttac	60
ttgcagccaa	aagcagccta	gctgatacac	aatcgtcccc	ctgccccctg	gtcaccctta	120
cagctcagag	atgaactcta	gagaaatgca	aagccccagt	tgggagccag	ccggagactc	180
tccttggctc	ttagcttggg	aaaataggac	ttgtgggggt	gggggcagca	tcagatggat	240
cacagactcc	aagcaaaggc	atgataggag	tttatttaca	gacaagacac	agcaaccagc	300
accactcag	gctctgacca	ggggaggtgg	tagacaagac	cccagatata	tataaatata	360
catataggtc	ccagcaccat	cagcaccaga	acgttccccca	gccaggctcc	tgccagaagg	420
accaagagtc	aggcaggatt	gaggacatag	aaaggagagg	gccccagctc	ttgccaggta	480
tcagtgatca	cctgttatgg	tccccatgtc	agaggaagaa	actatccttg	gccttgaagt	540
gtggacactg	aggagcatga	ggacggagag	accctctgga	ggcgccccca	ttcctgtgtc	600
cagcctgtgc	cctcaatgcc	aaggccacag	aagcgaagtg	ccagcaggag	cagcttgggg	660
aatggagaca	ctgcaggccc	ctccaggacc	atccaggagc	caggcatgga	ggtgggggtcc	720
taggccatgg	ctgcccata	cacaggagcc	tccccagtt	tgctgggtggc	acttgtgact	780
cgcttattct	cccggagggt	tcggaggcgg	gcgctgaggc	tgctgatctc	ttccacatag	840
gcctggggca	cccacccctt	ctcaccatct	gccaggcggg	ccccttccag	ccagccgtca	900
ctggtccagg	tcctcactga	caggatgtca	gtcttctcca	aggtcagctc	atctgggtgc	960
agtgccttgt	atgtcctaac	acactgaacc	tgggggcaat	cttccccctc	actgatgacc	1020
tccttgtcct	cctgggggct	ggaggggcac	aaggctgaga	tccatcgctg	cttctcactt	1080
tcgctcggg	cccgcagcag	gaactggtgc	ttcatgtgct	gcccgtggag	gagctggagg	1140
aggaacacgt	ggccggggat	gccctgcagc	ttcaggctca	ggtcccgcac	ctgcagctca	1200
gccatcttgg	catggacgaa	aacggcaaac	ttccctagct	ccttcgcgcg	agagagcagc	1260
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gcattgaagg	ccttggtggc	catgtcttcg	tcttcagagc	cctgtgctgt	ccgcttcagg	1560
atgttctcca	ccaacatctt	gaggcgggtg	atcctctgga	agggcaggat	aaggaaggag	1620
gtaaggggca	gacgctggca	cgaattccac	cgcactgtgc	taa		1663

<210> 5326  
 <211> 3455  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3456)...(1981)  
 <223> similar to gi436222 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5326

tttttttttt	ttgaagcact	gtttttaa	aac	tttctcaa	atttatttaa	ctcatgtggt	60
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gacagctcag	agttgaggca	gcatattggg	catagagatc	ataggatttg	tattatccct		180
tgcaagatgg	aactccaacc	aacaccagaa	ttttccaatt	caaattcagt	tttagtcgag		240
accccagcat	aatttttaga	aaaaagattg	gattgttgct	tttcttttaa	ttttccattc		300
ctatttagac	aaatgaccag	aggcaatgac	aaaagtaact	gtttaaaagg	gatttctctc		360
cagaagtttt	ttctaaaggt	ttaagtccag	gctttccatc	cttctctcca	tcctttttca		420
ttttaaaaag	aagggttttg	gaatatgtca	acctttactc	agcttgctat	acaaagccac		480
tgcttttagtc	ctagacataa	tgccaggact	catctcccaa	acttctggtc	ttaatcaagt		540
tcatgcttgg	ttgctaaaga	agctcatggt	aatcccaaag	tcagcacaat	cccaacctta		600
aaaagcagac	agctgattgc	atcacttacg	acatacacca	tcttgaggca	aaagaagcca		660
gtcagacacc	ccttgtttgc	tacgtgtgag	acacatcagc	agttgagcct	gacctcttcc		720
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aacatccatt	tataataaaa	tgtgtgcctt	atcttcctca	ctaacttctt	ggaaaagtgc		1020
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ctcagccatt	tgtatgtcac	gatcttggtt	tggtccgtga	cgaactcgtc	tatatatttc	3360
agataaagct	ggtccgccat	ggtgcggcag	cgctgggacc	cgccctctaac	ccctctctca	3420
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<210> 5327

<211> 2102

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (26)...(1969)

<223> similar to gi4322263 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5327

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ccccactcca	gcagggaccc	tcgaccccgc	tgagaaacaa	gaaacaggct	gtcctccttt	120
gggtctggag	tccttgcgag	tttcagatag	ccggcttgag	gcatccagca	gccagtcctt	180
tggtcttgga	ccacaccgag	gacggctcaa	cattcagtc	ggcctggagg	acggcgatct	240
atatgatgga	gcctgggtgtg	ctgaggagca	ggacgccgat	ccatggtttc	agggtggacgc	300
tgggcacccc	acccgcttct	cgggtgttat	cacacagggc	aggaactctg	tctggaggta	360
tgactgggtc	acatcataca	aggctccagt	cagcaatgac	agtcggacct	ggtggggaag	420
taggaaccac	agcagtggga	tggacgcagt	atttctctgc	aattcagacc	cagaaactcc	480
agtgtgaac	ctcctgccc	agccccaggt	ggcccgttc	attcgctgc	tgccccagac	540
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gcatcacaat	tacaaggcca	tgaggaagct	gatgaagcag	gtacaagagc	aatgccccaa	720
catcacccgc	atctacagca	ttgggaagag	ctaccagggc	ctgaagctgt	atgtgatgga	780
aatgtcggac	aagcctgggg	agcatgagct	gggggagcct	gaggtgcgct	acgtggctgg	840
catgcatggg	aacgaggccc	tggggcggga	gttgcttctg	ctcctgatgc	agttcctgtg	900
ccatgagttc	ctgcgaggga	acccacgggt	gacccggctg	ctctctgaga	tgcgcatcca	960
cctgctgccc	tccatgaacc	ctgatggcta	tgagatcgcc	taccaccggg	gttcagagct	1020
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tgacctcaac	acaccactgt	gggaagcaca	ggacgatggg	aaggtgcccc	acatcgcccc	1140
caaccatcac	ctgccattgc	ccacttacta	caccctgccc	aatgccaccg	tggctcctga	1200



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cgtgctcacc	aagactccca	aacagaggct	gcgcgagctg	ctggcagctg	gggccaaggt	1920
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gtttaagagc	cctagggcag	gctggacctg	tcaagacggg	aaggggaaga	gtagagaggg	2040
agggacaaag	tgaggaaaag	gtgctcatta	aagctaccgg	gcaccttagc	ttaaaaaaaa	2100
aa						2102

<210> 5328

<211> 2168

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(1487)

<223> similar to gi3366802 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5328

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cagacaacca	tctgaccaca	ctgcccctgg	ctggacttgg	gggcttgatg	catctgaagc	120
tcaaagggaa	ccttgctctc	tcccaggcct	tctccaagga	cagtttccca	aaactgagga	180
tcctggaggt	gccttatgcc	taccagtgt	gtccctatgg	gatgtgtgcc	agcttcttca	240
aggcctctgg	gcagtgggag	gctgaagacc	ttcaccttga	tgatgaggag	tcttcaaaaa	300
ggccccctgg	cctccttgcc	agacaagcag	agaaccacta	tgaccaggac	ctggatgagc	360
tccagctgga	gatggaggac	tcaaagccac	acccagtggt	ccagtgtagc	cctactccag	420
gccccctcaa	gccctgtgag	tacctctttg	aaagctgggg	catccgcctg	gccgtgtggg	480
ccatcgtgtt	gctctccgtg	ctctgcaatg	gactggtgct	gctgaccgtg	tctcgtggcg	540
ggcctgcccc	cctgcccccg	gtcaagtttg	tggtaggtgc	gattgcaggc	gccaacacct	600
tgactggcat	ttcctgtggc	cttctagcct	cagtcgatgc	cctgaccttt	ggtcagttct	660
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tacttgggtc	ggaggcatcg	gtgctgctgc	tcactctggc	cgcagtgcag	tgcagcgtct	780
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aatacggggc	ctccccactc	tgcctgccct	acgcgccacc	tgagggtcag	ccagcagccc	960
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ctgtcctgct	ggtgggtgctg	ccctgctctg	cctgctcctc	cccactgctg	tacctgctct	1260

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attaatcttg	acatatgcca	tgcataaaga	cttctctatta	aaataagctt	tgggaagagaa	2160
aaaaaaaa						2168

<210> 5329

<211> 1116

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (17)...(284)

<223> similar to gi3413896 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5329

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cttcacttcc	cacttggaca	tactgctgg	acattcccat	cgagatgaca	cctgggttcc	120
aatcccagct	ctgcctttga	agcacttgcg	gccaccgtca	agtccttttg	ctctcggacc	180
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catgcccac	aatgggcagg	aactcccggg	tgtttctgt	caggttccca	tccatgatct	660
gccagtggaa	tatgtccatt	tgtaattgga	ggttgggtct	tcctaccttc	tgtaagatgg	720
ctgccgcctg	ctggggcgctg	tccaggaagt	actgggggtc	agtgatgcgg	gtgttgatgg	780
gctccagcag	tcccacgagg	tcctcctgag	ccaaaacccc	agctgcatgc	ctcaggttct	840
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ggccagccat	caggtggatc	atgtccagcc	tcaggaaacg	tgccaaatac	accaggcctc	960
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tccgcacggc	ctgctccagt	ccctctcgga	aggccgcagt	tctcccgggg	acggcaccca	1080
gccccatttc	ccccttctct	tggtctcccc	ggggcg			1116

<210> 5330  
 <211> 4880  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(3885)  
 <223> similar to gi4678724 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5330

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gccactcttg	agcctcccgg	ctgcagcaac	aaggagcaac	aggtcactgt	cagccacacc	120
tacaagatcg	atgtgcccaa	gtctgccttg	gttcagggtt	acgtcgaccc	tcagcccctc	180
agtgcagatg	gggtctcgct	cttggccctg	ggggaggcca	gggaggaaca	gaacatcatc	240
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caggacctcc	tggcccgggt	gaagaagctg	gaggaagaga	tgggtggagat	gaaggaaacag	360
tgtagtcccc	agcgtctgtg	ccagggagtc	actgatctaa	gccgccactg	cagcggccac	420
gggaccttct	ccctggagac	ctgcagctgc	caactgcgaag	agggcagggg	gggccccgcc	480
tgcgagcggc	tggcctgccc	cggggcgctg	agcggccacg	ggcgttgctg	ggacgggcgc	540
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gaccgagaga	gcaagaaggc	tgacaccaac	gccccgacag	atattgacag	ccccaaaaac	1860
ctggtgactg	accgggtgac	agagaatatg	gccacgggtc	cctgggaccc	ggtgcaggcc	1920
gccattgaca	agtacgtggg	gcgctacacc	tctgctgggt	gagagaccag	ggaggttccg	1980
gtggggaagg	agcagagcag	cacagtctct	acaggcctga	gaccgggtat	ggagtacatg	2040
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acagacattg	acagccccc	aaacctgggt	accgaccggg	tgacagagaa	tatggccact	2160
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aaggacggag	agaccaggga	ggttccgggt	gggaaggagc	agagtagcac	tgtcctgacg	2280
ggcctgaggc	cgggtgtgga	gtacacgggt	cacgtgtggg	cccagaaggg	ggcccaggag	2340

agcaagaagg	ctgacaccaa	ggcccagaca	gacattgaca	gccccaaaa	cctgggtcact	2400
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gacaccaagg	cccagacaga	actcgacctt	cccagaaacc	ttcgtccatc	tgctgtaacg	2940
cagtctggtg	gcataattgac	ctggacgccc	ccctctgtct	agatccacgg	ctacattctg	3000
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cacccttcgg	actgcagtca	ggttcagcag	aacagcaatg	ccgccagtgg	tctgtacacc	3240
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cggataaagc	tgacagttgg	gaaatacaga	ggcacggcag	gggatgctct	tacttaccac	3600
aatggatgga	agttttacaac	ttttgacaga	gacaacgata	tcgcactcag	caactgtgcc	3660
ctgacacatc	atggtggctg	gtggtataag	aactgccact	tggccaaccc	taatggcaga	3720
tatggggaga	ccaagcacag	tgaggggggtg	aactgggagc	cttggaaagg	acatgaattc	3780
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cggctctggga	gtgctcagat	agcccgcaga	acaaatcatg	tcaccaagct	tcaagccatg	4020
gaggttcctt	ccctctcacc	tgcatttttg	cccgctctta	tgagggctct	gaaaatcaaa	4080
atagtagttg	cacagtatgt	gtaggaaaga	cagtactgga	acggcaagg	ttctcagctt	4140
atcttcagca	acatatatac	tggattaggg	caagagaagg	aatcacccag	cacttcacca	4200
gttggaatc	tctggaaatt	tacatctatg	tattttaagt	tctgctaatt	caaattctttt	4260
ctctggaaag	aagcacagag	gaggagtttt	gatgaccacg	gggttagggc	tgagacaacc	4320
ggacgtttgt	cacctccttt	cccattgggt	ttttaggaaa	acagtgtgaa	cctccccctt	4380
ttaatttctg	gtgttatgag	gaagaataaa	ggggataaaa	ggggctaaga	tggactcatg	4440
tttagctaag	ttctgacttg	tatccagcat	gctggagacc	aaagctgccg	ccttactgct	4500
atthtttaagt	gccctctttt	cagtcatttg	cataattgct	tccatagagc	tgcatatggt	4560
gtgaataaat	tctcactcat	ttcaactttg	aataatttga	ctgtcttgat	aattgggtcc	4620
tcccaaagac	tcttctgcaa	ctcccattca	tgccaccacg	gcctcagact	ccctcttttc	4680
cccgccctgc	actattggag	ccctgggttt	tgtgggagtg	ctcagcaccg	tgagtcttac	4740
tgtttgatcg	gacagtttag	aagatcagat	cctttttgct	tattttctat	cactttggag	4800
ggttttctgt	agcaaaatca	gtgaccaatg	aagtaactta	aattcctatt	gaagaacaaa	4860
aataataaac	cacttgattt					4880

<210> 5331

<211> 831

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (28)...(301)

<223> similar to gi19923 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5331

cactagtc	cca	gcgtgg	tgga	attcccc	caga	tgcccc	ctcag	tcccgt	tttct	ccccag	atcc	60
acacct	ggcc	ctcccc	ctcc	tgttcc	agaa	tgcagccc	cag	ccccct	ctgcc	atcctg	tcct	120
cctagccc	ggt	tcccc	ctc	cacacac	gcc	agtccagg	ct	ccttccc	cttg	gtgcct	gacc	180
cctcct	ggct	gccagc	agcc	cccttct	ggc	cactgccc	ac	tgaggg	aggg	ggcttc	ctct	240
tacccct	ccc	cagcct	gggc	cactggg	cct	ggtactg	agg	acctcg	ctgc	cacccc	accc	300
cactctg	cca	tgctac	gggg	ggtggg	gggg	cggtcag	tgc	atgctg	ttcc	tagtct	gaaa	360
cttgtg	tcct	gtgggt	gcct	ggtggg	gaac	ccttg	cggga	aggcct	ggtg	ggttt	gtccc	420
tgcttccc	ag	ccagcct	gtg	tccccg	ggt	tgggct	gggg	tctggc	atgg	gcctct	gcag	480
ctggcc	acag	actgagg	ggc	tccaaac	agc	actggga	aaca	gcctcag	gggt	atctg	gttgg	540
gggctg	caga	caggggt	ggg	gtcttct	gct	tggcctt	gac	aggttg	cagg	caggtt	gtca	600
gccgat	ctg	caatct	catg	ggggctt	ggg	gtcttccc	gg	ctcatg	agg	tatgg	cagaa	660
ttcagtc	ctct	ggtggc	tggg	gactggg	tcc	cacctccc	tg	ctggct	gttg	gccctt	ccca	720
gcatgg	cggt	tgcttccc	ct	tcaggg	ccag	caggact	ggc	ctgaatt	ttct	ccctat	ctgg	780
cgttgaa	aca	ccctca	atga	gctaacc	ctc	ctccacc	agg	ccccac	ctg	g		831

<210> 5332

<211> 1035

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (923)...(716)

<223> similar to gi297157 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5332

tttttttt	tt	caa	atggc	caaaag	caat	ttaatt	ttttg	gaggaaa	aac	tgcat	accca	60
gtacaact	ta	tctc	aggc	gaaatg	tctc	aaaatc	ttcc	tgtcatt	gg	acaaaa	aactc	120
agcttc	acca	cattg	ccagc	cgggag	acca	tgaaagg	gaa	ctggcg	ccac	tgcccc	cagc	180
tgccctt	ccc	aggggc	gaac	ttcacc	aaga	tgtggaa	atc	ctgggccc	ac	cccacag	tca	240
gtcatcg	ctc	catttct	tcc	tggcacc	acc	acctcc	atct	ggcctg	ctcc	ccaaccccc		300
agaagc	agg	gggccc	aggc	tccagg	ccag	tgcccc	ccac	aagatc	agac	gtaagg	catc	360
ttcccac	cg	ctgtg	ctg	cggggac	ttt	tccaatc	ctt	ccttcc	ctc	tgtccag	agg	420
ctgccag	gct	gagggg	gcca	ccgtcc	agg	ggaacag	gca	caggcat	cgg	ggaatc	agat	480
ggtatc	ag	gggatag	ggc	acagc	acttt	cctggg	agcc	atgtgac	gcc	agatct	tcct	540
ctggcag	ttc	ccactg	gctg	tggga	agtgg	ttttcata	aaa	gggggcca	aac	ttccag	gaac	600
atctagg	gct	cgggag	caac	ccagc	attga	cagtga	aatca	gaatcc	acct	agagct	ggcc	660
atggccc	cagg	cagggg	gtgt	cttcccc	aca	gccccag	ga	gtggct	gcac	ctagt	ggg	720
cagcatt	tgg	cctgc	ctgc	gggccc	cttg	ttcagag	cca	cagctg	catc	cccccg	taga	780
gcctgg	ccct	cctcg	ctgct	tctctg	cagt	agctctt	ggg	ccactg	tatt	gaacac	ctcc	840
gacacct	ggt	ggttc	agttt	ggccga	agtt	tccatga	aaca	gcaact	ttctg	gctgtc	ggca	900
aactcct	tcc	cttctg	aag	gaaacag	cca	caaaatc	cag	cgctgt	ttat	aagagag	ttt	960
cctaagg	aca	cctggt	tcac	ttcca	acagt	aagatcc	gag	aaagct	gcag	ccgtgg	agcc	1020

<210> 5333  
 <211> 1200  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (8)...(716)  
 <223> similar to gi2507613 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5333  
 ctacagctca cgcacgtgg gtggaaacat gtccttgctc tcgcagtggc cctggcaggc 60  
 cagccttcag ttccagggt accacctgtg cgggggctct gtcacacgc ccctgtggat 120  
 catcactgct gcacactgtg tttatgaatt gtacctcccc aagtcattga ccatccaggc 180  
 gggcttagtt tccctgttgg acaatccagc cccatcccac ttgggtggaga agattgtcta 240  
 ccacagcaag tacaagccaa agaggctggg caatgacatc gcccttatga agctggccgg 300  
 gccactcacg ttcaatgaaa tgatccagcc tgtgtgacct cccaactctg aagagaactt 360  
 ccccgatgga aaagtgtgct ggacgtcagg atggggggcc acagaggatg gagcaggatga 420  
 cgctccccct gtcctgaacc acgcgccgt ccccttgatt tccaacaaga tctgcaacca 480  
 cagggacgtg tacgggtggc tcatctcccc ctccatgctc tgcgcgggct acctgacggg 540  
 tggcgtggac agctgccagg gggacagcgg gggggccctg gtgtgtcaag agaggaggct 600  
 gtggaagtta gtgggagcga ccagctttgg catcggctgc gcagaggatga acaagcctgg 660  
 ggtgtacacc cgtgtcacct ccttcctgga ctggatccac gagcagatgg agagagacct 720  
 aaaaacctga aaaggaagg gacaagtagc cacctgagtt cctgaggatga tgaagacagc 780  
 ccgatcctcc cctggactcc cgtgtaggaa cctgcacacg agcagacacc cttggagctc 840  
 tgagttccgg caccagtagc agggccgaaa gaggcacct tccatctgat tccagcacia 900  
 ccttcaagct gctttttgtt tttgttttt ttgagatgga gtctcgctct gttgcccagg 960  
 ctggagtgca gtggcgaaat ccctgtcac tgcagcctcc gcttccctgg ttcaagcgat 1020  
 tctcttgct cagcttcccc agtagctggg accacagggtg cccgccacca caccctaacta 1080  
 atttttgtat ttttagtaga gacagggttt caccatgttg gccaggctgc tctcaaacc 1140  
 ctgacctcaa atgatgtgcc tgettccagc tcccacagt ctgggattac aggcattggc 1200

<210> 5334  
 <211> 3156  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (3139)...(2740)  
 <223> similar to gi4150963 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5334

aacaccagg	tttttcccaa	accccagggt	gttaaaaccc	ggcccccgga	atttattttg	60
gggggcccta	aaaaaaacct	ttattttccc	aaccccggtt	attaaaaatg	aaacctttta	120
aaggggcccc	cccttttttt	tttttggtta	agttgccctt	tattaacgaa	aacatagagc	180
tttcggtcaa	ttccaccacg	gagaacacaa	accagagata	aaaccacac	caagggttat	240
ttcccaagct	ggggaatttg	agaacacacg	ggcagagttc	acgccacaca	actacactgg	300
gctcgtcctt	gggaggcggt	cacaggaagc	aatcacgagc	gccaaagccac	ccacaaggca	360
gtgcggcaag	gctcccggga	tccttacagg	catccaagcg	aggtacagaa	acctccacag	420
cagtggggat	aaggggaaaa	tattttctct	tgctaaagaa	tatccttagt	tctcaacata	480
aacatgacta	cgtatatatt	cagcttcaaa	tgaaaaacaa	gtttacaaat	cactactgga	540
tacttaaact	ctatgttgct	tttctttttg	gcagcaccag	cctaaactct	gtgggtttgc	600
aatatttcag	aaacttcagg	tacattacag	tcttctgaga	aaggcccaga	acttcagaat	660
tcctggagcg	gctgtgaaga	aagaacatta	ctggcaacaa	atattaaaac	aacatttcaa	720
gaactccaag	aatacactga	gaggtttgta	aaggtgcaca	tatttaagca	ttcaagctat	780
atcctaaatc	atttttctgt	taacgtattt	atttttggct	taggaaaaac	atgtacttta	840
ttggcaaatt	gttttagctg	tagacggatg	gatgattcta	cagccacact	cccctttccg	900
ggtgtacatc	cggggcctgt	gcacctgcgc	ggaatcaggc	aactttgttt	ttcccgggtcc	960
ccaaaaagct	cacctttgac	acacctctta	tatgcacagg	aaaactgctc	ttcttattca	1020
gggtctcttt	ttgtggtgga	attcagagaa	actgggttgc	aacatctttt	tagggagagg	1080
tcgagtatgt	tttttcattc	gagtgaactc	gcattgctta	ggaatctgag	tcggtataaa	1140
ggactagacc	actgaattgc	gtacagcgct	ccaggatgcc	tgacagccca	gagtacaaac	1200
tgtagatgct	ctcgtggcct	gaatgtggaa	ttttaccacc	cagaaagcat	tactggagcc	1260
caaactggca	actttaataa	gctcaatgat	atcggtacct	tcccctttgg	tttcaaaagc	1320
aatcatgacc	gaacattttc	aactgtgagg	caaagctgac	ttgcatacca	aaaaacacct	1380
ttccaaaaac	attcaatgag	gtagctcaga	tcaattatca	aacccaagtg	aataccaaga	1440
agcttaataa	atgctcaggc	attttaaaat	gcaaattgct	acagtgccta	ataaatgctc	1500
tttcttccca	attcttgacg	gtgcatgcaa	atggtgagga	ggagcccctg	caaagtgagg	1560
acagcgagag	gctgggagtg	aatgaagctg	gcaaggagca	gagaggaggg	ggtgccctgg	1620
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agagaacaaa	caccaagtag	aactcagggc	tcgatgggct	gaaaagtggc	cttgactcaa	1740
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tcctttaaata	gctgagttgg	tataaagtgc	tggcccactg	gaccagctca	gggcagtctc	1860
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ccaccacacc	accctgggtg	ggttctggga	gaggccatgc	tcttagccac	tcgtcccctg	1980
agttctcacg	gtctgctcag	aggcacagac	tgctcttttg	tgggtagctt	ttcggagggtc	2040
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ggcagcaata	tgaattctgt	gacttccagc	agtaagaaaag	agttcacaca	cacacaaaca	2160
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tactcacac	aggcacacac	atgcatccac	ttagtcaccc	acacacaagt	gcactcacac	2280
acacgcacgt	gcacagagca	gtgcacagcc	actgggcaac	atccccgggg	gcagcaagct	2340
caggtgcagc	cagggtaggg	gtgggcggag	tgacggggcc	tggagcaggg	ctgggcgggtg	2400
ttgcttgggg	gaaggagccc	tcgccccacc	tcgcccctggc	tatctccctt	tcctgtcctc	2460
atcgccacc	accaccgcac	ccctgcccag	cgggcacac	tgaagacaag	cagtggggaag	2520
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cagtgcggga	aaactgctcc	accgcctggc	gccgggatgg	ggctctgtgc	gcccttgctc	2640
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tctctggaag	cccacgttgg	ggttggcaca	ggatctccca	gcacgcacgg	tgtgcagggc	2820
atcctcccag	ccaaagtcag	tgacgggtcat	gatgtatgcg	atcaccagtg	tcacgtcctt	2880
ggagaccccc	gccaggcagt	gtacaaggca	gctctcaccg	cggagccggc	actcgtgaat	2940
gaatttaata	ctttctttga	aatgtcttgt	caggttttga	gatggtgaat	ccgctgctgg	3000
gatgcacagg	tatttaactc	cctccaacat	aggcctggca	ctatcgtgga	cagacagaat	3060
atgtgtcacc	ttgttcttgc	tcaattgttc	cgcgtctctg	gcatctttga	agttgccgat	3120
gtacaggccg	ggcaggatct	tgttcatccc	attccc			3156

<210> 5335  
 <211> 1757  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1742)...(1110)  
 <223> similar to gi3881304 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5335

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atttgtaaaa	gatgttttta	aagggaaagg	caagtcacgc	tactaaatca	aacattgttc	120
acaatttctg	gatcttcttc	ctccgcctgg	cactgcagct	gagccttggc	ggatatgctc	180
ggggccctcg	gcgcagagga	acttagcctc	gattctcttc	ctgaggggct	tcttaacttt	240
tccaagccag	gcagtgagcg	tgggtgggagg	ctggggctgg	tgcttgcgga	cagctccaga	300
tggaatccca	ggccacgggtg	cttctagtgt	ccccccagcg	agcttgcggt	gtggcaggcg	360
gccaggaagg	gcatgagca	gggtggcctg	aatgaaaacc	gagggccgaa	gccagcctga	420
ctccctcgcc	taagctgggg	ctcggtcgga	ggcacacgca	tgcccttggc	cagacacaaa	480
ccaagagact	gcatgacag	acagagcaga	aacctcccga	gcactgtgtt	caagctaagc	540
tttcctaaga	cgggcttctc	aggcgagacg	tgacaccaga	caccgtcgca	tgttacttgg	600
agagaacaga	gacgtgcggg	ccacagcggc	ccaccaaagg	ctgccatcca	agctgagttc	660
cgcaggcctc	acctgcagct	ggagagggac	cttgccctga	tcctcctggt	aggtaccgcg	720
taagggattc	aggacagagc	gtcacactgc	acgcagggtc	ctccgccacc	accatccaag	780
aaccccgggg	ggctggccac	gcgctggcct	ctgccaagga	gtgccagtgg	ttcccgggac	840
ggggccgccc	aagcaggtga	gggaggttta	gatgaatgac	ttggccaggg	tcaccatgtg	900
gtccacgcca	catgccacgt	ccacaggctc	cccaggcatc	gtcacctccc	atgggaaata	960
ctggtcctcc	aggcgaccga	ttcccaggca	ccctcgcatg	ttcttgcccc	atacaaacag	1020
ctctcctttg	ttggtcagtg	cagcaaagtg	gctgagtcca	catcgcatgc	gggaaacctg	1080
gatttctggg	ttgaactccg	tcaagccaaa	gagagtgggt	ggaatcattt	cagggaacggc	1140
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tcctgagaag	tgtaagcagc	ggggcacatt	cacctgtgtg	gagtcagtga	cagaggccag	1320
ctgcaggtag	tccgagtttc	cccaacccaa	aagtcctccg	tcggcggaca	cggccaggca	1380
gcaatcaccg	taggtggcaa	cttgataaac	gttactctcc	gccaggctct	cacccagctt	1440
ggtgggagag	ctggtgatat	tgtagtgacc	cagacctgtt	tgcccatcag	caccccatcc	1500
acaagaatag	acttctcctt	tatccgtcag	gaacagacta	tgatcctgac	cacaggcgac	1560
ctggaccacc	tggccatcga	agtcctgcat	cctgtggact	ctgtgacttt	cactgtaaat	1620
ttcattttcg	accacctttc	ttccacattg	cccataagaa	ttgtttccca	tgctgaagac	1680
tccttccctg	tcagtcaaca	caagagagtg	agctcggccg	caggagactt	gcagcaccgg	1740
tgtctcctga	ggtctgt					1757

<210> 5336  
 <211> 459



<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> (29)...(368)

<223> similar to gi1370190 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5336

tctagtccag	cgtggcggaa	ttccagatgg	tgtcatcgtc	atgtacgata	tcacagacaa	60
gcagtcgttc	ctgtcgggtc	ggcgggtggc	gagcagcgta	gaggaagctg	tgggagaccg	120
ggtgcctgtt	cttctgctgg	gtaataagct	tgacaacgag	aaggagcggg	aagtcccccg	180
gggcctcgga	gagcagcttg	ccacggagaa	caatctgata	ttctatgaat	gcagcgccta	240
ctctggtcac	aacaccaaag	agtcctctgt	ccatctggcc	aggttcctca	aggagcaaga	300
agacacagtg	agagaggaca	ccattcaggt	cggccaccct	gctaagaaga	aatcctgctg	360
tggctgatag	ggctctacaa	ggactgcccc	cagcaaacct	gaggtcacag	agcctgcctt	420
gatcctgcac	acggctcctg	cacagatgcc	acccaccgg			459

<210> 5337

<211> 1885

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (27)...(1513)

<223> similar to gi436480 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5337

attgatcacg	ttggaggaat	tcgcgtgact	acgtgcgcca	gacgtggaag	ctggagggcg	60
aggccctgga	gcaggccatc	atcagccagg	ccccgcaggt	ggagaagctc	attgctacga	120
cggcccacga	gcggatgccc	tggtaccaca	gcagcctgac	gcgtgaggag	gccgagcgca	180
aactttactc	tggggcgcgag	accgacggca	agttcctgct	gaggccgcgg	aaggagcagg	240
gcacatacgc	cctgtccctc	atctatggga	agacgggtga	ccactacctc	atcagccaag	300
acaaggcggg	caagtactgc	attcccagg	gcaccaagtt	tgacacgctc	tggcagctgg	360
tggagtatct	gaagctgaag	gcggacgggc	tcattctactg	cctgaaggag	gcctgcccc	420
acagcagtg	cagcaacgcc	tcaggggctg	ctgctccac	actcccagcc	cacccatcca	480
cgttgactca	tcctcagaga	cgaatcgaca	ccctcaactc	agatggatac	accctgagc	540
cagcacgcat	aacgtcccca	gacaaaccgc	ggccgatgcc	catggacacg	agcgtgtatg	600
agagccccta	cagcgaccca	gaggagctca	aggacaagaa	gctcttcctg	aagcgcgata	660
acctcctcat	agctgacatt	gaacttggt	gcggcaactt	tggctcagtg	cgccagggcg	720
tgtaccgcat	gcgcaagaag	cagatcgacg	tggccatcaa	ggtgctgaag	cagggcacgg	780
agaaggcaga	cacggaagag	atgatgcgcg	aggcgcagat	catgcaccag	ctggacaacc	840
cctacatcgt	gcggctcatt	ggcgtctgcc	aggccgaggc	cctcatgctg	gtcatggaga	900
tggctggggg	cgggcccgtg	cacaagttcc	tggtcggcaa	gagggaggag	atccctgtga	960

gcaatgtggc	cgagctgctg	caccaggtgt	ccatggggat	gaagtacctg	gaggagaaga	1020
actttgtgca	ccgtgacctg	gcggcccgca	acgtcctgct	ggttaaccgg	cactacgcca	1080
agatcagcga	ctttggcctc	tccaaagcac	tgggtgccga	cgacagctac	tacactgccc	1140
gctcagcagg	gaagtggccg	ctcaagtggg	acgcacccga	atgcatcaac	ttccgcaagt	1200
tctccagccg	cagcgatgtc	tggagctatg	gggtcaccat	gtgggaggcc	ttgtcctacg	1260
gccagaagcc	ctacaagaag	atgaaagggc	cggaggtcat	ggccttcate	gagcagggca	1320
agcggatgga	gtgcccacca	gagtgtccac	ccgaactgta	cgcactcatg	agtgactgct	1380
ggatctacaa	gtgggaggat	cgccccgact	tcttgaccgt	ggagcagcgc	atgcgagcct	1440
gttactacag	cctggccagc	aaggtggaag	ggccccagg	cagcacacag	aaggctgagg	1500
ctgcctgtgc	ctgcccctcc	gctgcccagg	ggagccctcc	acgcgggctc	ttccccaccc	1560
tcagccccac	cccaggtcct	gcagtctggc	tgagccttgc	ttggttgtct	ccacacacag	1620
ctgggctgtg	gtaggggggtg	tctcaggcca	caccggcctt	gcattgcctg	cctggcccccc	1680
tgctctctct	ggctggggag	cagggaggtc	cgggagggtg	cggtgtgca	gcctgtcctg	1740
ggctgggtggc	tcccggaggg	ccctgagctg	agggcattgc	ttacacggat	gccttccccct	1800
gggccctgac	attggagcct	gggcatactc	aggtggtcag	gcgtagatca	ccagaataaa	1860
cccagcttcc	ctcttgaaaa	aaaaa				1885

<210> 5338

<211> 1060

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(659)

<223> similar to gi5817223 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5338

cccagcctct	gcccggggca	ccccggcctt	ccaggcacgc	cgggccacca	tggcagccag	60
ggcttgccgg	gccgcgatgg	ccgcgacggc	cgcgacggcg	cgccccgggc	tccgggagag	120
aaaggcgagg	gcgggaggcc	gggactgctg	ggacctcgag	gggaccccg	gccgcgagga	180
gaggcgggac	ccgcggggcc	caccgggcct	gccggggagt	gctcgggtgc	tccgcgatcc	240
gccttcagcg	ccaagcgctc	cgagagccgg	gtgcctccgc	cgtctgacgc	acccttgccc	300
ttcgaccgcg	tgctggtgaa	cgagcagggg	cattacgacg	ccgtcaccgg	caagttcacc	360
tgccagggtgc	ctgggggtcta	ctacttcgcc	gtccatgcc	ccgtctaccg	ggccagcctg	420
cagtttgatc	tgggtgaagaa	tggcgaatcc	attgcctctt	tcttcagatt	tttcgggggg	480
tggcccaagc	cagcctcgtc	ctcggggggg	gccatggtga	ggctggagcc	tgaggaccaa	540
gtgtgggtgc	aggtgggtgt	gggtgactac	attggcatct	atgccagcat	caagacagac	600
agcaccttct	ccgatttct	ggtgtactcc	gactggcaca	gtccccagt	ctttgcttag	660
tgcccactgc	aaagtgagct	catgctctca	ctcctagaag	gagggtgtga	ggctgacaac	720
caggtcatcc	aggagggtcg	gccccctgg	aatattgtga	atgactaggg	aggtggggta	780
gagcactctc	cgtcctgctg	ctggcaagga	atgggaacag	tggctgtctg	cgatcaggtc	840
tggcagcatg	gggcagtggc	tggatttctg	cccaagacca	gaggagtgtg	ctgtgctggc	900
aagtgtgaagt	cccccagttg	ctctgggtcca	ggagcccacg	gtgggggtgt	ctcttcctgg	960
tctctgtctt	ctctggatcc	tccccacccc	ctcctgtctc	tggggccggc	cctttttctca	1020
gagatccact	caataaacct	aagaaccctc	aaaaaaaaa			1060

<210> 5339  
 <211> 2481  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (500)...(848)  
 <223> similar to gi5668598 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5339

tggcgaattc	attatagacg	tgagccatca	cacccagcca	cagtttgaga	ctttatgatt	60
taggcagtgc	aaagcctttg	aaaaaactgg	atcaagtttt	tacggagggt	ggtgagttgg	120
tgctatgcaa	aatgaatttg	gaggggtaag	agacaaagca	aggagaacat	tcggaaggct	180
tttgcaagtag	agaacaggct	aaatataagg	aagacctgaa	ttagaattgc	ggaggaaggc	240
atggaaaagc	aagaaaaaaa	tcaagaacag	atagggctct	gactgactgg	taggaaatgt	300
aaaaaggcca	tacattttatt	ctgaatgttg	gtatctggaa	gaatgggtgat	gctgttcaag	360
taataaggac	aaaggggaac	caggcactgt	gagcctctgt	ggggtgtgtt	actcttttag	420
ctcatgtgtt	tcaagtcatt	ctacccttg	ccgtctccac	atccaaacct	aactactttg	480
gattttaatt	gcagctcctc	cacccccacc	acctgtgac	cgaaatgggtg	ccagggatgc	540
tccccctccc	ccaccaccat	accgaatgca	tgggtcagaa	cccccgagcc	gaggaaagcc	600
cccacctcca	ccctcaagga	cgccagctgg	gccacccct	cctcctccac	cgccccctgag	660
gaatggccac	agagattcta	tcaccactgt	ccggtctttc	ttggatgatt	ttgagtcaaa	720
gtattccttc	catccagtag	aagactttcc	tgctccagaa	gaatataaac	actttcagag	780
gatatatccc	agcaaaacaa	accgagctgc	ccgtggagcc	ccacctctgc	cacccattct	840
caggtgaagc	ctggcttggg	ccggttcctc	aggaaaagga	tggaccttct	cttctttctca	900
gatggtccct	tccattccccc	tgaaacctgc	atgagagctc	ctaacatgtt	tctccaatgc	960
aatcaagccc	tagactccaa	atgtcctccc	agctcacctc	catctatgca	tctcatctct	1020
ggatttggtg	atcagactct	atattgacag	taggatctca	aacctgcat	ccatccttcc	1080
tccagcaagc	cctgctagcc	acatgaggaa	caagtttccg	tgtcttctgc	cttctctctg	1140
gggaaagggtg	ccttggtgtg	atgaattaac	tcactgttag	ggcaggggtg	agaatgggtac	1200
tccttccttc	tcctgtccac	tgtgggggaa	gcttggcagg	tatattatat	ttcatcattt	1260
aggaggctgg	catgaccagg	acttatgggt	gggaggggag	catttttagt	gaagcaagaa	1320
aggagtgtgc	caagaagtga	tctgttttaa	aggtcatatt	tggagaaagg	gcaaggaatt	1380
gggtctgctt	tatttttggg	ggtattttgt	ttttgttctc	acctgctgcc	ccccaccccc	1440
accaccccag	ggataaattg	gatataaaca	ctaaatacta	atcagttgaa	cttaacattt	1500
aataaaaaaga	aagggtgaaa	taaactgaag	accatttttag	aactagtcag	ttctctgcag	1560
caaagggaac	aggagccatt	tgaacctctc	gggacccctc	acccactgc	ttcaggggtgc	1620
taggctgagg	gatgtttttc	ctccccctta	ccgcccatgc	ccttgaaaga	aaagtcactt	1680
tttgtggagg	gcatcattca	ttcctgattc	acaaacccca	aaaacctctg	gtgggagata	1740
ggaagatagg	gcgtgggcct	gggccttaac	ctcaatcttg	tgtctgcctc	agtcttttct	1800
gactggccct	gaagtgtgca	gtggctcttt	ctgtccttca	gccccctgaa	ggtgctccag	1860
gataacaaag	aagggcaggt	tgaagccctt	catggaagga	gctggctttg	tggggctgca	1920
aaggactttt	aagtccctgcc	tgtactgaag	ttcacagccc	acctgactga	gcagactctt	1980
cctgttccct	tctctaccac	ccttgccctc	ccaggactgc	acggtttaac	acagcagagt	2040
acagaagggt	gaagaagtga	gcagaggctt	atgaagatat	tcagatactc	ttctatgccca	2100
ggaagcacia	agactttgtt	gagatttgcc	tcagttcagt	agatcttctt	tggcagccag	2160
ccataggttg	tttctttgtc	ttccgggtcc	taaagagcac	agagaaaatg	gaggtcccca	2220
gtctaggtag	gaagctgatt	ggatgaggac	ttcttttttt	ccgacagcag	gatggggctc	2280
ttgggtcca	cacaccagat	gctttggttt	tctacaactg	ttgctatgtg	tagaggggtgc	2340
tcagagcgtg	gcatgagagc	aaggagacca	tggctactct	ttgaaatgga	tggggaaaat	2400

```

tagcttaaaa atttaatcac gagattgcgc cactgcactc cagcctgggc gacagagcca 2460
gactccgtct caaaaaaaaaa a 2481

```

```

<210> 5340
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (75)...(445)
<223> similar to gill184790 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5340
agaggagcgg gccgaggact ccagcgtgcc caggtctggc atcctgcact tgctgccctc 60
tgacacctgg gaagatggcc ggcccgtgga ccttcaccct tctctgtggt ttgctggcag 120
ccaccttgat ccaagccacc ctcaagtcca ctgcagttct catcctcggc ccaaaagtca 180
tcaaagaaaa gctgacacag gagctgaagg accacaacgc caccagcatc ctgcagcagc 240
tgccgtgctc cagtgccatg cgggaaaagc cagccggagg catccctgtg ctgggcagcc 300
tggtgaacac cgtcctgaag cacatcatct ggctgaaggt catcacagct aacatcctcc 360
agctgcaggt gaagccctcg gccaatgacc aggagctgct agtcaagatc cccctggaca 420
tggtggctgg attcaacacg cc 442

```

```

<210> 5341
<211> 1497
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (983)...(1262)
<223> similar to gi495222 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5341
cgggtggcatt cggtgtggag tgaatgtaag ttggacacag aaaatccctc ataatatcct 60
cctgttttgtg tgtatagtgg cctatgagca gattctgtgg cttagactcc cagtcccatg 120
gttcctggct cctgatgtct tttcccataa cattttgaca ttccaacaaa ctctaattag 180
ctgaatgata aatcacagaa atgtaaagt agaagcgaat ttacagatca tacagctcca 240
ccctgtaaat aaaccaggat gattagggta ttcacgatat tgcagattgg ccagctcatg 300
acttgccctt tggttcctagc tctgtgacct gcctcagagg agagccttgg tgcacgtttg 360
actttttaat ctttatttga acctgttaca caccgtcacc cccactgctc tgcttgccac 420

```

agacatggaa	ggttcactaa	ggccttaagg	cactcatgca	agctcacaag	agaaagaaat	480
ctgtaaggca	tgtagaattt	ggactcaatc	atgttgggtc	ttaatgtgcc	tagagcaatg	540
gaatgggac	tttggggg	gtggaattca	agacgctctg	gctgaagatt	cagaagtatc	600
tggttaactc	cttttccttc	tgggcacctc	ctcctctgtt	ctaatacctc	cttacactca	660
ttcctggtec	attgtattct	gaccacatcc	ttaatcatgg	tcaaaactat	tgagtcctgg	720
gcacattggt	catgaaggaa	caagaaggca	atgagagact	ctcatgcca	ccactgccct	780
gaaagccctg	ctgttcagac	agcaaagggg	ccagcactgg	ccaagctctt	atgcttgctc	840
tgaacacctc	ttgggaggag	tcaatagggg	ctccttttga	aagtgtccct	ggccttttga	900
gaaagcagtg	tgggtggagg	agatgggtct	ggcagggggc	gtgaatgggt	gttttctact	960
tgggatttct	ttcctgcttt	aggagatcta	ttgggaaact	gattataacc	actcgggcac	1020
catcgatgcc	cacgagatga	ggacagccct	caggaaggca	ggtttcaccc	tcaacagcca	1080
ggtgcagcag	accattgccc	tgcggtatgc	gtgcagcaag	ctcggcatca	actttgacag	1140
cttcgtggct	tgtatgatcc	gcctggagac	cctcttcaaa	ctattcagcc	ttctggacga	1200
agacaaggat	ggcatggttc	agctctctct	ggcgcagtgg	ctgtgctgcg	tggttggtctg	1260
acccgggggt	tggacatca	gtgacactcc	ctgccccact	gcttgcttct	tgacccccct	1320
tctctacaat	tttgtgaaca	tttatgctcc	agtggcattc	actggttggt	catacctttc	1380
ttgccctggg	tctatttcag	cagcactgag	ctatgagcta	tgtaagccga	cccgggtgggc	1440
ccaagtggag	ggaaagcaat	caattaaagt	tgtgagccag	aatggtaaaa	aaaaaaa	1497

<210> 5342

<211> 1968

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (208)...(1822)

<223> similar to gi4008355 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5342

acactatctt	tttgcaaaaa	atgaaacttt	taatccacat	ttaaaaataa	ggctgtggga	60
ttttggagaa	gcattttaaa	aacttgagga	ctttatatgt	tactcctggg	agggttaaaca	120
ttgtttcaga	ctaatagaac	tagcattatt	aacgtgctga	ctctaactga	atttgttttg	180
ttctctctct	actaggtgat	tcgtgaagct	aagagaacag	caccaagtat	agtgtatggt	240
cctcatatcc	acgtgtgggt	ggaaatagtt	ggaccgacac	ttacagccac	atttaccaca	300
ttattacaga	atattccttc	atttgctcca	gttttactac	ttgcaacttc	tgacaaaacc	360
cattccgctt	tgccagaaga	ggtgcaagaa	ttgtttatcc	gtgattatgg	agagattttt	420
aatgtccagt	taccggataa	agaagaacgg	acaaaatttt	ttgaagattt	aattctaaaa	480
caagctgcta	agcctcctat	atcaaaaaag	aaagcagttt	tgcaggcttt	ggagggtactc	540
ccagtagcac	caccacctga	gccaagatca	ctgacagcag	aagaagtga	acgactagaa	600
gaacaagaag	aagatacatt	tagagaactg	aggattttct	taagaaatgt	tacacatagg	660
cttgctattg	acaagcgatt	ccgagtgttt	actaagcctg	ttgacctga	tgagggtcct	720
gattatgtca	ctgtaataaa	gcaaccaatg	gacctttcat	ctgtaatcag	taaaattgat	780
ctacacaagt	atctgactgt	gaaagactat	ttgagagata	ttgatcta	ctgtagtaat	840
gccttagaat	acaatccaga	tagagatcct	ggagatcgtc	ttattaggca	tagagcctgt	900
gctttaagag	atactgccta	tgccataatt	aaagaagaac	ttgatgaaga	ctttgagcag	960
ctctgtgaag	aaattcagga	atctagaaag	aaaagaggtt	gtagctcctc	caaatatgcc	1020
ccgtcttact	accatgtgat	gcaaagcaa	aattccactc	ttgttggtga	taaaagatca	1080
gaccagagc	agaatgaaaa	gctaaagaca	ccgagtactc	ctgtggcttg	cagcactcct	1140

gctcagttga	agaggaaaat	tcgcaaaaag	tcaaactggt	acttaggcac	cataaaaaag	1200
cgaaggaaga	tttcacaggc	aaaggatgat	agccagaatg	ccatagatca	caaaattgag	1260
agtgatacag	aggaaactca	agacacaagt	gtagatcata	atgagaccgg	aaacacagga	1320
gagtcttcgg	tggaagaaaa	tgaaaaacag	caaaatgcct	ctgaaagcaa	actggaattg	1380
agaaataatt	caaatacttg	taatatagag	aatgagcttg	aagactctag	gaagactaca	1440
gcatgtacag	aattgagaga	caagattgct	tgtaatggag	atgcttctag	ctctcagata	1500
atacatattt	ctgatgaaaa	tgaaggaaaa	gaaatgtgtg	ttctgcgaat	gactcgagct	1560
agacgttccc	aggtagaaca	gcagcagctc	atcactgttg	aaaaggcttt	ggcaattctt	1620
tctcagccta	caccctcact	tgttgtggat	catgagcgat	taaaaaatct	tttgaagact	1680
gttggttaaaa	aaagtcaaaa	ctacaacata	tttcagttgg	aaaatttgta	tgcagtaatc	1740
agccaatgta	tttatcggca	tcgcaaggac	catgataaaa	catcacttat	tcagaaaatg	1800
gagcaagagg	tagaaaactt	cagttgttcc	agatgatgat	gtcatggat	cgagtattct	1860
ttatattcag	ttcctattta	agtcattttt	gtcatgtccg	cctaattgat	gtagtatgaa	1920
accctgcac	tttaaggaaa	agattaaaat	agtaaaataa	aaaaaaa		1968

<210> 5343

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (507)...(300)

<223> similar to gi4699967 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5343

gcggccgcag	gagaagccgc	ggttggcgca	ggacgcaggt	gctgtagtcg	aagcgctcag	60
gctggctggc	tcgccgctgg	gccagaagcc	cgcactgcac	aaccgtgttg	cccttggaga	120
gctccaggag	tgggtgggca	gtggcagggg	ccaacttgag	aggctccggg	gctggcaaaa	180
ctttccggaa	gagccttttc	cacacgggtca	gcttgatgtc	agcctgggtg	aggcctggct	240
tgaaggagat	ggggctgaat	gcgcctttcta	ggggccgggc	ctgcggcatc	tctgctctgg	300
aggccatgga	gtggaacttc	cggatgaact	tgtggtggtc	ctcattgccg	aactgttcca	360
gcacacactc	ggcttggggc	agccgctccc	gggttccctg	ggcctgctcc	agctgcatgt	420
ccaggaggc	caccaggcca	cgggtgtgac	cccctatccc	ctccaggcag	cgggccttct	480
cctcatccac	caggtggtgc	agct				504

<210> 5344

<211> 929

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (9)...(464)

<223> similar to gi452987 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 5344
gaattccaac agccatcgca ctggactgcg acctgagggc cagccaggcc gcgctcttcg      60
agaagaacaa ggagctggca gacctgaagc atgtgcatgg ctatctgaag aagcagttcc      120
aggagaaggt ggcagagctg gcacatgccca accggcgggg ggagcagcac gaggctgagg      180
tgaagaagct gcggtctgctg gtggaggagc tcaagaagga gctggcccag gctgaggacg      240
agctggacga ggcccacaac caggcacgta agctgcagcg gtcgctggac gagcagacgg      300
agcagagcga gaacctgcaa gtgcaactgg agcacctgca gtccaggctc cgcaggcagc      360
agcagaacgc tcccctcttc gggaagatcc gcagtgtctg ctttggcacc gaggaggccg      420
aggatggaac cagtgcacctg gacgaggacg aggaacctgca aatccagggt gcctagagct      480
tctgtggct gggcaggatg ggccgccccca tacctgcccc ggggtccaggc taaccagcca      540
ctcaaactga tgcagtgcct aggtctactc tgggaccagt ccctgccaca gccgactttc      600
ttctctccca gggatggcgt caacagtccc acctaccaac gccctgtgga aaggaagcct      660
atgttttata tatatatata cacacacgcg cgcgcgcgcg cgcgcgcccc cccagaagtc      720
tttggaccca tttggtttta taaatacagg acagctccaa ggcccagtc agatgacctc      780
accacccag gacttcatgc agggctgggg atgttggggg cagttgttgg agccccaccc      840
tggtgtgct ctctaggtt cgctgttcat cataaatgc agtgaacca gttatttcta      900
ataaatgaag ttcaagttca aaaaaaaaaa                               929
```

```
<210> 5345
<211> 2863
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(2864)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(693)
<223> similar to gi3878629 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5345
cacgtggtg aaggagggag gcagagttgt ggccgacctg tcttgctgg gagatgagta      60
cattgccgcg ctgggcgggg caggagggaa aggcaaccgc ttcttctctgg ccaacaacaa      120
cgtgccccct gtgacctgta cccctggaca gccaggacag cagcgagttc tccacctgga      180
gctcaagacg gtggcccacg ccggaatggt gggattcccc aacgccggga agtcctcact      240
gctccggggc atttcaaacg ccagaccgcg cgtggcttcc taccggttca ccacctgaa      300
gccccacgct gggatcgctc actacgaagg ccacctaca atagcagtgg ccgacatccc      360
cggcatacata cgaggcgccc accagaacag gggctctggg tccgcttcc tcaggcacat      420
cgagcgctgc cgctttctct tgttcgtggt ggatctttct cagcctgagc cgtggactca      480
agttgacgat ttaaaatatg aactggagat gtatgaaaag ggctgtctg cgaggcccca      540
cgcaatcgct gcaaacaaga ttgacctccc tgaagcccaa gccaatctgt cccagctccg      600
```

ggatcacttg	ggacaggagg	tcatcgtgct	gtcggcggtg	accggcgaga	acctggagca	660
gctgctgttg	cacctgaagg	tgctgtatga	cgctacgcg	gaggccgagc	tgggccaggg	720
ccgccagccg	ctcaggtggt	agccacgcca	gagcggggtc	gcctctgggc	ctctgtctga	780
gcaaacctgg	gtgtgaattc	ggtggttttg	aatgcataaa	gtgccttggt	gacacggggg	840
agttgtgggt	cttctgggtc	tctgggcccc	gcctgcttgg	cctgaaatgc	cctcatgttg	900
ggaagcattc	cgtgccccct	accccgccctg	ccctcccgtg	tttacttgca	cctgtcagcc	960
ctgcaccgga	cttgantgag	ccagtttgct	catttggtgt	gattaacacc	cctaataagg	1020
ggtttggggg	ttgcccataa	acgggggttg	ccctgccgct	gactcgggtc	tccgccatgc	1080
acgcgtggac	tctcgatga	gtcagcaga	accgcacagc	cagagcccca	ggtcagaagt	1140
gcagaccagg	gttctcagca	cagtgcctgt	cgtgcttcca	tggcttgcta	cggagagaga	1200
cctctggatc	cacactgggg	ctgcgtctgg	cccgttgctc	agcagccctg	cggtagccga	1260
agcccaggca	ccagtgtctc	ggggggcctc	actgctgcgc	aaggggtggg	gccgaggatg	1320
caagtccagg	cagagcgggc	caggcagctg	tgagcttttc	tccatcagcc	gtctgagaag	1380
agcagtgagg	ccagctgctt	cctgtccttc	agaacacttc	tctgtgctca	gtgggagcca	1440
ggaagcctca	ggcttcacga	ctgaatgcac	ccaatatccg	acctggctgc	gtgtttctgg	1500
ctgggctgcc	gtgtgcacag	caagttaact	agaggggctg	tgggccatgg	aactgtcagc	1560
gttattctca	gaaggcggcc	gtggcatggg	cagggtatag	tgaggagtgg	aaggagacgt	1620
gtgcctggta	atatggggcg	gaatttccac	tcagctccat	ttgctgggga	tttaaagaga	1680
acccttgctc	tgcgccaggc	agttaccgag	ccgaaggagg	atgatggggc	ttcgccccctc	1740
agtgggatgg	cagctgaggg	ggccctgcct	ttgaccctcg	agactgcagc	agcgcccttc	1800
ctgtctgtgg	tttaagtctt	tgcagtcaag	tactgatgca	tccaagccag	gcctatgcct	1860
ggtgtctccc	tgactgcaga	ggagccccag	ggcaaggaca	gtcagctgc	tggcagcctg	1920
cctggcccat	agacatcccc	caagtagtct	caggcctctg	acatgtccct	gaggggcccc	1980
taagaaagaa	agtggagggg	acactccaga	ggctgtcgtg	ggaggatcat	gtgagcctgg	2040
gaggtcaagg	ctgcagtgag	ccgtgattgc	accactgcac	tccagcctga	gtgacagagc	2100
gagaccctgt	ctcaaaaaac	aaacaaacaa	acaaacaaaa	acagaacatt	ctgggcacgg	2160
tggctcatgc	ctgtagtccc	agcactttgg	gagggcgagg	ctgggtggatc	acaaggtcag	2220
gagattgaga	ccatcctggc	taacacagtg	aaaccccgct	tctactaaaa	atacaaaaaa	2280
attagccagg	cgtgggtggc	gtcacctgta	gtcccagcta	ctcgggaggc	tgaagcagga	2340
gaatggcgtg	aacctgggag	gcggagcttg	cagtgaagcg	agatcacacc	actgcactcc	2400
agcctgagcg	acagagcaag	actccatctc	aaaaaaaaaa	aataataata	ataatagcta	2460
aatactggaa	acaaccaata	ttccatcaac	aggagaatga	ataaacaat	tgtggtatag	2520
ctatacaatc	caatactatg	cagcaataaa	aattgaatca	atcactgata	cacataacat	2580
gcaaggatga	agctcaaaaa	cattacactg	aacaaaagag	gccagacaca	acagtatgtc	2640
tgagtccatt	tacatgaaat	tctaggaaag	gtagaatatc	ctacagtgtg	gagaacacaa	2700
taataagaaa	acaaacaacc	tgatttaaaa	ataggcaaac	caagagtagt	agtgtgtgcc	2760
tgtagtccca	actacttggg	aggctgaggc	gggaggatcc	cctaagccca	ggagctcaag	2820
acctgcctgg	gcaacatagc	aagactctgt	ctcaaaaaaa	aaa		2863

<210> 5346

<211> 618

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (10)...(616)

<223> similar to gi5923801 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters



```

<400> 5346
gaattcttga aggaaaagga gaaattagaa atggagttag cagcagtgcg gactgcaagt      60
gaggaccatc ggagacacat cgagatcctg gaccaggctt tgagcaacgc ccaggccagg      120
gtcatcaagc tggaagagga gttacgagag aagcaagcat atgttgagaa agttgagaag      180
ctgcagcagg ccctgaccca gctgcagtct gcatgtgaga agcgagaaca gatggagcgg      240
agactgcgga cttgggtgga gagagagctg gatgcactga gaaccagca gaaacatgga      300
aatggccagc cagccaacat gccggaatac aatgcccag ccctcctgga acttgtgcgg      360
gagaaggagg agcggatcct ggccctggag gccgacatga caaagtggga gcagaagtac      420
ctggaggaga gcaccatccg acactttgcc atgaatgccg cagccactgc agcagctgag      480
agggacacca cgatcatcaa ccactcacgg aatggcagct acggagagag ctgcgtggag      540
gcccatatct ggcaagagga ggaggagggt gtgcaggcca acagaagggt tcaggacatg      600
gaatacacta ttaaaaat                                     618

```

```

<210> 5347
<211> 1356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1336)...(283)
<223> similar to gi5689493 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5347
tttttttttt ttttctcttt aaattatttt attcaagaag tggggggagga cagacaaggg      60
gactgagctg agcctctgagt ccctgaacct cccagctcag cccccacagc aggactggac      120
tcaaagtcag aggggtggaga ctccagcccc acccagacac ggttgggggac agacaggacc      180
caggggaatac cgactgactg tcctccagggt ggatggcggc cgcagcacac agggcccggc      240
ccgtggaccg cccgggtggg gctatttggg ggtgccgccc cccttcttgg gagtgggtgg      300
tttcttgccc tgccagaggt gtccctggat ggtgaaggca tcgacgctca tggacatggt      360
cttggcgggg atctgggtga agcgcttgcg gtccgagttg tacttgtaga tgccttccac      420
catggcgggg gtgacgggtc ggggcccata ccctgccagc cgcgacagct cctctgtctc      480
ccccgacagc gtgtagagcg cccggaactg gcagctcgag tcgcgaaaga ggatcaggaa      540
gtggttggcc ttgcttttct caatttcctc cagaatgcga ttcttctgcg gttcgttcac      600
cttgcgccgc aggcagcagt gtgatagggt attgtggatg atgaacttgt tggacttggc      660
gctgggttct ttgtacagcc gtggacctgt gtactcgggc actgacgctg gggaggaggc      720
attgctgcca ttttccagc cccgttcgag gcttccagc aggcggcttg gggacatgag      780
acctgacggg gagggagccc gagacgtggg cctcttcacc ccgaggttat tgtgggcctc      840
gttggccaca gtggacagtg acagggtgga ctgggaatag attttgctca gccgagagcc      900
cagcaggccg cgggctgggc ttcggtgccg ggctgagtcg tcacagcaac ccgagcgagg      960
ccgggtggcc ctccgccgc cccgacctgg acccccggac cccgcagccc ggggccgcag      1020
caccttatcg aggtcgtcca tcagcttcag ctgggcccg cgctcgtact cctgccgcgt      1080
gaagtcccc ttccgggggc ccgcctcctc ctcggtgga gcccgggcag caggggctgg      1140
agtcgccatc gggactgcgg acacaagcgg ggctgggccc ggggcctcct cttgggccag      1200
cctcgcgccc tcctccctcc gctgttcctt ctccacctcc agacacggcc tgcgccgcg      1260
cgctcctgt gctggccgat aaacccgctc aaacaggctg gaccgctttt gggccatctc      1320
gtccgcaggc ttgcgaaatc tcccgatga tcagaa                                     1356

```

<210> 5348  
 <211> 2038  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1836)...(833)  
 <223> similar to gil663698 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5348

gaagtagatg	tgaccacact	ggatgtatgg	gttttgtatt	gggcgccagc	aggctccagc	60
cccacctgga	gggactgcca	ccagggggcac	cagcagaggg	aagccgtccc	aggactgccg	120
gatggaccct	gctccaaact	cagcctgtct	tccttgtgac	agcagagcct	ttgcaattcc	180
tgagggcat	catggggcag	gagacagaca	gtcctgtagg	atctgtgggt	gtctcctttt	240
gacaatctca	ctgttcttcg	tgectgcect	ccaaattcag	tagcatgtct	caaagcetta	300
catctctcgg	cacccagagt	tcagtgcatt	tccaacctgt	gcacctggcc	tgtgcaacca	360
cccagcctct	tctgggggac	tactctcccc	tggtgagggc	tctgtctctt	ttgtgtctcc	420
aaagctgctg	tctcccagac	tggggcagga	ggggctgagg	atacctctct	tgggtaatag	480
tccctctcgg	ctgaagcagc	tctgctggg	ccaggcgatc	acagggcatg	ctgggcagag	540
gggctctggc	cggcttcac	ttcccacctg	ctcctccggg	tgtctccctc	tctcgcagcc	600
gggatctgca	tggcgtctca	tctcgattgc	tgtgtgaaaa	tcaggtgaaa	tgaggcctgg	660
tggggctgtg	gattggcacc	tggatcttcc	attgtcagcc	agctgcagtt	ttgctcagtt	720
tacgtgggtc	aaaaaaacaa	aaaacaagga	tgggtcaaca	tcctgtttct	ttttcacttt	780
ttaagcttta	accactcgag	ttgtggatct	tggggcctct	cttgattagg	ggttaccaaa	840
caattcatca	agctcctgca	tccactcgtc	ccctggcccc	cctttgatga	tggagtccac	900
aaggtctgca	ccgtccggga	ggccagggaa	ggaaccccca	gctccgtcgc	cactgtaatt	960
gtatgacacg	tcctgagggg	cattccgctc	ataggcttgg	ctctggctgc	ttggagcaaa	1020
gctgccactg	ggtatctgct	gctgtgctgg	gggctggctg	aacgctggca	tgctggggac	1080
tccctggctc	aggccagaca	tgaccattgg	cctcgcttgg	ctgggtgcct	gctgccccgg	1140
gagcgatggc	atcatctgcc	gacccatggc	agctgggttg	agggtcctca	ctgtgcccgt	1200
gttagcatcc	acgactgact	ggctcagtc	ctgtgggaag	tgctgcttgg	tcagtctcgg	1260
ctgcccagct	tgaagagggt	agctggcgcc	attgttgaat	ggcccccaatt	ctccactagt	1320
cctcccaggc	atgccttgca	agctcctctg	ttgccagctt	tgtgtctcct	gctggactgt	1380
tcccataagg	ctctgcagcc	ttggaggggc	ttggggccta	ggcaaggcct	ggcctactgg	1440
ccctttcacc	tgtggatgtt	gctgggtaat	ggctgagttc	accagcatgc	tctgacaaa	1500
gccactcacc	attccaaccc	cctgcccaga	ggcaggttgc	ctcggtccct	gggcttggtt	1560
atgtgtgatg	ctcatgccac	tttggttttg	atgctgcaac	atttgggtca	tgctgtgct	1620
catattgtac	attcctggtt	ggctggtagg	cgtggtgcta	taaggggcca	gtcccatctc	1680
cgactgcgca	gctgcggtgg	ccatcgctcc	agggttctgg	gagggctcta	ttcccatcat	1740
gcctgcgttc	tgtgccatca	gccgtgacgt	tcgcatgctc	tggagggctg	cttggtctct	1800
tacggctgct	atatacctgg	gagaacctgc	agtgaaaaag	aggacacata	ccactcactc	1860
ttctccataa	gcaatatact	gcaacaagat	gttggaattt	tctttgggaa	tgacaaaatt	1920
cctttatatg	aaaggatcta	ctctgataat	aaatctgtaa	caaaaatgat	tatttttctg	1980
attatagcat	atgctgattg	cgaaaatttt	gaaagtgtta	aaaaatacag	agacaaaa	2038

<210> 5349  
 <211> 1009  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<222> (188)...(366)

<223> similar to gi338330 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5349

tttttttttt	ttaatagcta	atTTTTtTgta	atgaaattac	atgcagatga	ttttttaaca	60
ataaaacatg	ttactatgta	tcagaacaaa	catgggtgta	aattttttta	aatgggtgaaa	120
gctataggaa	ttgactctag	agatacccat	atcaggatgt	gggtgacctg	cctgtctgca	180
tctttgcagg	tcctggaaca	acctgtactg	tgtgctcagg	aacagtgagc	taaccttcta	240
caaggatgcc	aagaacctgg	ccctggggat	gccctaccat	ggggaggaac	ccctggccct	300
gagacatgcc	atctgtgaga	ttgctgccaa	ctacaagaag	aagaagcacg	tctttaagct	360
gaggtgaggc	cttcctggcc	tttgaaagct	cgggttgatg	gcttgatttg	gcattagtgg	420
cagggcagag	gccctctgta	ggggaccagt	gccaggcctg	agctgctcct	caggggtttt	480
tcaaatcaaa	gaggctgatg	gtccagactt	tgacctctca	gaaagtgctg	ggctgcctga	540
gaggggtctg	gatgttcggc	tcaggggtatt	gtgggatcag	agccagccct	ctgcccagcg	600
ccccctccag	aggtgtctcc	atgacaggaa	accctttgtc	ctcctaggct	gagtaatggc	660
agcgagtggc	tcttccatgg	caaggatgag	gtaagcgcgg	gcagcctagc	ccagacctgg	720
ctaagaaggg	ggtaggtgga	ggaccccagg	ccgcttgccc	tggaggcccc	ctcagaaggg	780
gcagtcccaa	gagccccac	cattgttgcc	tggcccggga	gggtggggggc	tgtgggcctc	840
cagactccac	cgtgacctc	cgccccgcag	gaggagatgc	tgtcctggct	gcagggcgctg	900
agcaccgcca	tcaacgagtc	ccagagcatc	cgcgtcaagg	cgcagagcct	gcccctgcct	960
tcctctctcg	gccccgacgc	cagcctcgaa	ttccaccacg	ctggactag		1009

<210> 5350  
 <211> 1077  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<222> (9)...(924)

<223> similar to gi5059425 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5350

ggaattcgct	tgctggaaga	gaagttgagt	tgccaaccga	accatcactc	gtgtacgaag	60
cagtgtgcaa	caggcagaac	cggccttcac	tggctgagct	gccccagcc	gggcctgaga	120
ctcccggtt	agaaggactg	aaggagctaa	tgcagctctg	ctggagcagt	gagcccaagg	180
acagaccctc	cttcaggaa	tgctaccaa	aaactgatga	agtcttcag	atgggtggaga	240
acaatatgaa	tgctgctgtc	tcacggtaa	aggatttcct	gtctcagctc	aagagcagca	300

ataggagatt	ttctatccca	gagtcaggcc	aaggagggac	agaaatggat	ggcttttagga	360
gaaccataga	aaaccagcac	tctcgtaatg	atgtcatggt	ttctgagtgg	ctaaacaaac	420
tgaatctaga	ggagcctccc	agctctgttc	ctaaaaaatg	cccagacctt	accaagagga	480
gcagggcaca	agaggagcag	gttcacacaag	cctggacagc	aggcacatct	tcagattcga	540
tggcccaacc	tccccagact	ccagagacct	caactttcag	aaaccagatg	cccagcccta	600
cctcaactgg	aacaccaagt	cctggacccc	gaggggaatca	gggggctgag	agacaaggca	660
tgaactggtc	ctgcaggacc	ccggagccaa	atccagtaac	agggcgaccg	ctcgttaaca	720
tatacaactg	ctctggggtg	caagttggag	acaacaacta	cttgactatg	caacagacaa	780
ctgccttgcc	cacatggggc	ttggcacctt	cgggcaaggg	gaggggcttg	cagcaccccc	840
caccagtagg	ttcgcaagaa	ggccctaaag	atcctgaagc	ctggagcagg	ccacagggtt	900
ggtataatca	tagcgggaaa	taaagcacct	tccaagcttg	cctccaagag	ttacgagtta	960
aggaagagtg	ccaccctctg	aggcccttga	cttccttcta	tggcagtcctg	gcctgcccac	1020
aaactgactt	tgtgacctgt	cccccaggag	tcaataaaca	tgatggaatg	ctaaaaa	1077

<210> 5351

<211> 2093

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(678)

<223> similar to gi6002585 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5351

atggctgcgg	ccggcggcgg	cggcggcggg	gcggcggcgg	cgggccgagc	ctactcgttc	60
aagggtggtg	tgctggggga	aggctgcgtg	gggaagacgt	cgctggtgct	gcgctactgc	120
gagaacaagt	ttaacgacaa	gcacatcacc	actctgcagg	catcattctt	aacaaagaag	180
ttaaataattg	gtgggaaaag	agtaaacctt	gccatatggg	atacggcagg	tcaagagaga	240
ttccatgcat	tgggtccaat	ttactacaga	gattcaaattg	gagcgatttt	agtttatgac	300
ataacagatg	aagattcttt	tcagaaggta	aaaaactggg	tcaaagaatt	acggaaaatg	360
ttgggaaatg	aaatctgttt	atgtatagtt	ggtaataaaa	tagacttgga	aaaggagaga	420
catgtttcca	ttcaagaagc	agagtcgtat	gcagaatctg	tgggagcaaa	acattatcat	480
acttcagcca	aacagaacaa	aggaattgag	gaactctttc	ttgacctttg	taaaaggatg	540
atagaaacag	cacaagtgga	tgagagagca	aaaggcaatg	gctctagtca	gccgggaact	600
gcaaggcgag	gtgtacagat	tattgatgat	gaacctcaag	cccagaccag	tggtggaggg	660
tgctgttctt	ctggataact	gttcacgcct	aagaaattaa	aagacagaac	aaaactgtgg	720
atcattgccc	tcaacatgaa	gactgccata	ttccaagtca	cattatttta	ccaatggaat	780
tatagaatta	acagtatttt	aaattacggt	tataacactg	cagagacctt	aagtgctaaa	840
cttagtggag	tttgtgacca	gagaattggc	attttctaca	aatgtttttt	tttggttttt	900
ttttggtttt	ttttgggttt	ttttgagacg	gagtcctcgt	ctatcgccca	ggctggaatg	960
cactggcttg	atctctgctc	actgcaagct	ccgcctcccg	ggttcacgcc	atttctctgc	1020
ctcagcctcc	cgagtagttg	ggactacagg	cggccgccac	cacaccagc	taatgttttt	1080
gtatttttag	tagagacggg	gtttcaccag	gttagccagg	atggtctcga	tctcctgacc	1140
ttgtgatccg	cccgcctcgg	cctcccaaag	tgctgggatt	acaggcgtga	gccaccgtgc	1200
ccggcctaca	aatgttaaca	aagcaattac	caatggcctt	tttacaatatt	ttttctttta	1260
tgaggaataa	tatgcatgta	gaaaagacct	acttaaagtc	ttcattttata	ttctttcaaa	1320
tcaaattcttt	atttaataac	ttatatatgt	tgttggaatg	gttacatttt	tcagccctt	1380
tgtattttgt	ggtagtttaa	attgtatcac	ttctaaacag	caaactgttt	ttgtttttta	1440

ttagcagata	tctgaagtac	tatTTTTgca	gggTTTgcac	aggcccgtaa	ctgtctacta	1500
ctttgatata	atctgtatac	atcctgtatg	ctgagctggg	aaaatacatt	gtaaattaca	1560
tattaaatat	tttatctgct	tttacaagcg	caagggtgcaa	aaatatatac	aatagtctca	1620
ttgatgactg	taaagtgaat	taacatttgg	tgattatgcc	tagctTTTT	gactaatata	1680
aagatcatag	ctccccctca	cttctgtctt	aacttgaaca	tggcgtgttt	aaattttcat	1740
acatacttta	cttgaattat	tgctgttgct	acatatTTTT	gcctctgtga	gttcatctga	1800
tgattgagca	gtagcatttg	ccttttgggt	TTTTgtttg	ttattataga	agagatgact	1860
tctgctgatt	ttgctttaga	atggttacct	tagaagaatt	tgggtggctc	atgttgaatt	1920
tcacttctgc	aatagctttc	atTTTctcat	aggctttata	agagatgggt	tcagtgggtat	1980
gagcagagga	agagatccca	gatagtagcc	agttaaccaa	gactcattca	tatagcacgt	2040
agtttatgtt	cctgaggcag	cactttttaga	tcctttgtga	gcaagttcta	ttt	2093

<210> 5352

<211> 1323

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (78)...(663)

<223> similar to gi531241 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5352

cagtgtggcg	gaattcacag	ggctaggggt	ccagggtgtg	ggtgcagcag	acagccaccc	60
tggccatatg	catctcgttc	ccacaggcat	tcaccaagga	cttcgagggtg	agccagctct	120
atgactgcaa	ctggatcgtg	gtcaactgct	ccacaccggc	caactacttc	cacgtgctgc	180
gccggcagat	cctgctgccc	ttccgcaagc	cgctgattat	cttcacacct	aaatctctgc	240
tgaggcaccc	agaggccaag	tccagctttg	accaaattgg	atccgggacc	agcttccagc	300
gggtgattcc	tgaagatggg	gccgcagcac	gggcccctga	gcaggtgcag	cggctcatct	360
tctgcacggg	aaaggtgtac	tatgacctgg	tgaaggagcg	gagcagccag	gacctggagg	420
agaaagtggc	catcacgcgc	ctggagcaga	tctctccatt	ccccttcgac	ctgatcaagc	480
aggaggcaga	gaagtaccca	ggtgcggagc	tggcctgggtg	tcaggaggag	cacaagaaca	540
tgggctacta	tgactacatc	agcccacgct	tcatgaccat	cctgaggcgc	gcacggccca	600
tatggtatgt	tggccgggac	ccagcggctg	caccagccac	aggaaacagg	aacactcacc	660
tgggtgtcact	gaagaagttt	ctggatactg	ccttcaatct	ccaggccttt	gagggcaaga	720
catttttagag	ctgggcaaaa	cctgtgtagg	tctcgtctgtg	ggtttgctgg	ggaccaaggg	780
ggtgatgaaa	aggggagggg	cggagctcct	gcccagaga	ggggctgtgg	ggccccagga	840
taaaacagac	acagtgacag	ggccaagagc	cagcactgct	ggccttggtg	tcatgccaga	900
atctaccagg	actgaggggag	ccagaggagt	cctgtaggca	ggctactgtg	ctggagcatc	960
ccccagctgc	tcccatcttg	ctggaatttc	ttgggcggct	tctccacctg	tatctcaaga	1020
cagacacccg	ggggcctgtg	tctgtggccg	ctcccatccc	ggcagccctg	gctgctgctc	1080
gccccacccct	cgcttatctg	tagattcaaa	gcatgtttct	cttctgtgct	cttagaagta	1140
gggagttcag	cagtaacagc	caggtgaagc	gaacctgctg	ggtgatttgt	ttgcgctctg	1200
ttttatgggg	cattcctgcg	agatgtgtca	gcttctgtgt	gaaatgcagc	cacagctcat	1260
gtgtacaaaa	gtagaaaacc	aaatcacaga	gaaataaaaa	catgcttcag	agagaaaaaa	1320
aaa						1323

<210> 5353  
 <211> 1158  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(483)  
 <223> similar to gi2853081 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5353

tttggagagg	ccttatggta	atgtcggcca	ttgagaaatt	gttgaggcag	gtagattggg	60
gtcaactgga	ctacttagtt	gtagacatgc	caccaggaac	tggagatgtg	cagttatcag	120
tctcacagaa	tattcctata	acaggtgctg	tgattgtctc	cacgccccag	gacatcgcag	180
tgatggatgc	acacaagggt	gctgagatgt	ttcgcagagt	ccacgtgccc	gtccttggcc	240
ttgtccaaaa	catgagtgtt	ttccagtgtc	caaaatgtaa	acacaaaact	catatTTTTg	300
gtgctgatgg	tgcaaggaaa	ctagcacaga	cccttgggtc	tgaagttcta	ggagacattc	360
ccttacacct	taatataagg	gaagcttcag	atacaggcca	gccaattgtg	ttttcacagc	420
ctgaaagtga	tgaggccaaa	gcttacttga	ggattgctgt	ggaagtggta	agaagattgc	480
catcaccttc	agaatgattc	cccaagtgtc	ctggaaattt	gcctggtact	gacattaaga	540
ggacctttgg	aaatcagcaa	tgtggtgatg	gaacctacag	aaataataga	aatcataact	600
gttttatttc	taaggaaaga	atgtcttcat	atttgacttg	ctaagctaag	gttcacaaaa	660
ctttgatgta	tcaatgttaa	ctgctatatt	taggaatttt	ttgaaagctg	gtgtgtacca	720
cctgcaaaga	actgcatttt	attttattga	attaccctt	tagaaatcat	gagtttatga	780
tgttacaagt	ccattttggg	agagaactgt	acactttttg	caggaccaca	gaattagtaa	840
tttaaagtat	atactaaatt	tgtgtatggg	cataagtatt	acgccttccc	accaggcaat	900
ttggactgtc	tttgaatcct	gtctttggta	ctgtcttgga	catgttctta	atatgaacct	960
ctgcttcttc	atctggatca	cactataccc	caaacttaat	gaatttcagt	ctccaggagt	1020
ggagcctgaa	catatgtatt	tttagtaaga	ccatgatgat	gttgatgatg	attctggtaa	1080
tcatggcagt	aagaataata	gctaacattt	aacaagttaa	ttataattgt	tcttccattt	1140
gtgtgagcgg	gtactatt					1158

<210> 5354  
 <211> 795  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(459)  
 <223> similar to gi825671 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5354

cagggccagt	gcatattagt	ggacagcact	tagtagctgt	ggaggaagat	gcagagtcag	60
aagatgaaga	ggaggaggat	gtgaaactct	taagtataatc	tggaaagcgg	tctgcccctg	120
gaggtggtag	caaggttcca	cagaaaaaag	taaaacttgc	tgctgatgaa	gatgatgacg	180
atgatgatga	agaggatgat	gatgaagatg	atgatgatga	tgattttgat	gatgaggaag	240
ctgaagaaaa	agcgccagtg	aagaaatcta	tacgagatac	tccagccaaa	aatgcacaaa	300
agtcaaatca	gaatggaaaa	gactcaaaac	catcatcaac	accaagatca	aaaggacaag	360
aatccttcaa	gaaacaggaa	aaaactccta	aaacacccaaa	aggacctagt	tctgtagaag	420
acattaaagc	aaaaatgcaa	gcaagtatag	aaaaagcgca	ttgaacagtc	ctgggcacta	480
catgtaaatt	aagcccaaaag	atggggagaa	aggaaaagga	gagacaaaata	tagtccatac	540
tgagtgtcat	caacaatcca	gactgaagtc	ttctattttta	atctcaatcc	cctttttctga	600
tttgccaccc	atgcctcttc	aggctggaaa	caatctcttg	gttccctaaa	gcacttttctt	660
ctgactgctg	tgattcagtg	aaccttgccc	tttgctttct	attacttggtg	catttgccctc	720
acctgacaat	gttttaaatc	gcctttgtat	ctccttagct	gctcaataaa	tatttgaatg	780
catcaattaa	aaaag					795

<210> 5355

<211> 1119

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1122)...(963)

<223> similar to gi516012 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5355

tttttttttt	ttgtgtgaac	aagccttcat	tgtgcaagcg	tgagcccaac	aaacaaacac	60
caggtctgcg	ctggccgaag	acgaagcgtc	ctccctggag	gtgggaacaa	gtcacctctg	120
accacacctc	ctctgacgcc	atcacctcct	cctggcccca	cccaagggct	cgacacaagc	180
cccaaggtcg	gggggagagg	ggcggggagg	aaccgagggc	ggaggccaag	gtgggattcc	240
aggaaggcct	tccgaaggat	ggaggtgggt	cctgtccctc	caggtagctt	gtgggtgtgg	300
acagcaggac	ttgctggctc	agtgtgggca	caaggacact	gtgccactgg	ttgagtgaag	360
ggtgagggat	tggaggtggc	tcccagaggc	ctccatctgc	atggccctgg	ccctgtggct	420
ccagcaggct	gccctggctg	tgggtagccc	aggagccaca	tgcgcttagt	ggggccgctc	480
tggggcaggg	gctctcacag	gacagcatga	gccactgagc	cgccctggga	gggcccaggc	540
aggcggggag	ctgtgggtga	atttgcctct	gtccctggag	gtctgtgggc	ggaagctgtg	600
ggcacagggtg	gacatggctg	tcagacgtgg	ggtcataagg	tcccactccc	cagctcctgc	660
ctcctcacag	acagaagcca	cggccaagga	gaggagagac	atgggggaagg	cagagatgag	720
ggaacaggaa	gggagaaggc	aatgaggaaa	gagaaaggga	gggtaagatg	cggaggggcac	780
aggtggatgg	ggacgagggg	gccaaagcatg	gacagcggga	ggggagaagg	cggaggggcc	840
gagaggcagc	tgcgcaagag	ggccttcagg	cagagttgag	gtctgtggcc	ttgggctggg	900
ccttgcgagg	ggtcagctcc	gacagcttct	tcagccgctt	cttcagctcc	agcgggaact	960
tctcgtagca	cctcttacac	acgggcttca	tgtcgaactc	cacaaacttg	ttcttcaggg	1020
tgagcttgct	gttgcaggtg	gagcaggaga	agcagctcac	acaccaggcc	ttgttgaggg	1080
ccgacaccac	atcgccttca	atcacatggc	tgcagttgt			1119

<210> 5356  
 <211> 1376  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (7)...(534)  
 <223> similar to gil403547 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5356

tttcgtctgc	tcggcgctcg	ggccttcagc	acgttaatgc	tcaaacgctt	cagagaacca	60
aagcatgaaa	gacgtccgtg	gaggatatgg	tttttagaca	cttccaaaca	agccatagga	120
atgctgttca	tccactttgc	aaatgtatac	ctagcagatc	tcactgaaga	ggacccttgt	180
tcactgtacc	tcatcaactt	cctcctggac	gccactgtgg	gcatgctgct	catctacgtg	240
gggggtgcgc	ccgtcagcgt	cctggtagag	tggcagcagt	gggagtcctt	gcgcttcggc	300
gaatatggag	accctctgca	gtgtggagcc	tgggtcgggc	agtgcgctct	ttacatcgtg	360
atcatgattt	ttgaaaagtc	tgtcgtcttc	atcgctctcc	taatacttca	gtggaaaaag	420
gtggccctgt	tgaatcccat	tgaaaaccca	gacttgaagc	tggccatcgt	catgctgatc	480
gtccccctct	ttgtcaacgc	tttgatgttt	tgggtagtgg	acaatttcct	catgagaaaag	540
gggaagacga	aagctaagct	agaagaaagg	ggagccaacc	aggactcgag	gaatgggagc	600
aagggtccgct	accggagggc	cgcattcccac	gaggagtctg	agtctgagat	cctgatctca	660
gcggatgatg	agatggagga	gtccgacgtg	gaggaggacc	tccgcagact	gacccccctc	720
aagcctgtga	agaaaaagaa	gcaccgcttt	gggctaccgc	tatgacacat	tcccatgctg	780
gggggtgacg	gagggccccg	ccaaccgctg	gtgtgcagag	gtcatccccg	agcatcgttc	840
cttaccctct	ctctgccctt	cctttctacc	tctgtctctc	ttgctgtctc	tgcccgtctc	900
cgctgcccc	cagactactg	tgacttaaaa	agagggaaga	ggagccagcg	cccagggggg	960
ccactggcgg	ctggagggtc	ccattcagtt	gcactacaaa	cactgaccaa	atatgcaagg	1020
aaggagctgt	gtttgtttgt	tgtcgtccca	gacagtgttg	tgagggacct	gaggccctgc	1080
cccgtgtccg	accaccgagt	ggcaagggtg	aaggaagcac	aggcacacag	accgtgggtg	1140
ggtctcctca	ccgtggctgt	gggcagtgcg	aacacataac	accctcgggc	taaaagtgc	1200
tcgttgacca	agttggaacc	ggaatgcttt	cttactcaaa	atggcttttg	taactattga	1260
tttctgaagc	tggttttatg	agttgtgaca	gtgttaccag	gttgggggta	tgtgtttatt	1320
tcctacaaag	tacttacggg	actaatgggc	aaaacagaga	tttttaagtc	ttccgt	1376

<210> 5357  
 <211> 957  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (959)...(383)  
 <223> similar to gil136412 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



<400> 5357

```
ctgccagtga agcccaggct gctttttcag actgtgtgta gcaccaagaa cgcttccttc 60
acacgatctt caggatcgag cgggctgact gggagtgtct gcctcagtcc cactgggcac 120
ttggaaaaaa cagagcgagg ccccccaag aggcagcgcc caccggccg ccgtgctccc 180
ccaacttggg gacgtctggc cttggacagc tgggcccgtc tctcaccacc cactcagag 240
gcaaaaaagg attcacaccc agatctctag aaaaatgata aaaagcaggt ttcttctcac 300
agccaagctt cctggacatg gcagttcatt acatctcggg aaaacgtaaa tcatttcttc 360
agctgtcaat actgtgtccc tcacatcctt gaggctcgtt cttgcaaaat cttggccttc 420
tcgctgggct cgctggcgt accgtacggg gtgtgtgca gtccttgga caccacacag 480
aggaactcgg cttggctctt gttcccatag ttgtaagagg agccgatgct gaccaactgc 540
tcgaacttcc agccgtcgga catggtggac accatctgag tgagctctc ctctggcac 600
tgcagcacac ggtacacatg cttcacaggc acctgcatg ttttctgtc tcgttctcta 660
attttgtcct ttacaagttt tattaatgag gtgatattgt aaaattctgc ttctccaac 720
actccttctt ccgcgaggtc tttgttaatc accagcttgc cgtgtctcag gtagttcagc 780
acaggcccaa agtaggtggg gtctctgtcg attaaatagg cgctgttct atccttgtct 840
gagtcagggt cgggatcggc ctggcataag cggtagcagg aggatttcgg gtcccggcac 900
agggtctgcc gtagtggtag gaagtaggtg ccgccgacgt tgagtcggac ccacttg 957
```

<210> 5358

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(521)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (2)...(96)

<223> similar to gi5912261 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5358

```
ctcagagtgt aagggcaaac aatatgtcaa aaggacatgg tataaaaaat ttgtaggagt 60
gcagctgtgc aactctctca gatacaagat tttctgtgag ggagtcgctg gctatgagtc 120
attaaatatg catgataata ttttgaaac gatgagttat caagacactc attaaattgt 180
ataactaatt ttttagtata tctcctttgc agttaaccag tgattattat atatcaatat 240
tgccctactt ttgtggaaga ttttaggatc cttttgtgtg ttggtcatta tctctattaa 300
aagggaagt ccaaaaatct aggttttttg aatctttatt tttagaagg aactttttaa 360
tttttatttg aaatgtacaa gtggctcttt gccacatata acttaccttt tcaaattaaa 420
aatacgtatt ttatttttat ttcttgacc caacaaacag atgacangta tgggagtgtg 480
aaggtgaaga gtaaccacta taaactgact tgaagaggcg 520
```

<210> 5359  
 <211> 1541  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1039)...(530)  
 <223> similar to gil204166 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5359

tttttttttt	ttcacggtgc	cttcaagctt	tattgccaca	cacactcccc	cagcccttcc	60
tgaatggccc	tgtgcatggg	aacaccagct	tagagaagca	attcagggct	aggcaagggc	120
cagaggactg	gatttgggac	tgggggtgggt	aggggggatc	tggagaagga	aagtgctaag	180
accaaagccc	acccccaccc	caggtttccc	tgagtgggtg	ccacccccag	ggtcttgggg	240
gctggcttgt	gcattggggg	gagggggctc	atcccaaata	gatcctcccc	tgggggtctcc	300
aggctcatgg	agggaagaga	agccccactg	agccccctgc	accccccatg	aagccctcaa	360
tgtgcaggga	gcaggaagaa	gagctgcaca	caaacgcata	cacatgcttg	tctccaagag	420
agctcctggc	ccctggggct	gcccagccag	gggctcaaca	gtccagaccg	atggacacga	480
gcaggtcttc	gagtgccgcg	agacgctgct	gcgcctcctc	tatggcgctg	taggtctgca	540
ccgtgctggc	cacgtggaag	cggatgtcgt	ccaccagcgg	gatagagtcc	gtctcctgcc	600
gggctgccac	agccgctgcc	tctccttcca	ccgcctccac	gaagtccctc	cgctccacca	660
gcttctcaat	gaccttggcc	atgtactcag	tgcactggtc	ctcaagccgc	gccaggcgga	720
agagcttggc	cacgcgccac	acaccaccca	cagtgtcctc	gtctagcatc	tgagccaggc	780
tgcgcccgca	cagcctcttc	aggcctggca	gcaggtacat	gtcggcgacg	ctcagcacat	840
cataggctgc	ctcgggggac	agctcagtgt	ggtcgctgta	catgtagtag	agcacgtgag	900
tgaagacgtc	gggtgagatg	ccatgcaggg	tgacggctgg	ggggccccct	gaggtcgctg	960
gctcctcgct	ctctcggaag	tggtcatcca	gcagggtctg	gaagtagtca	ctgcggccac	1020
agaaaaaggc	cttgtggcag	aggaagctgc	agccagccac	tcggaagcag	atgtcagggc	1080
agctgttgaa	gccgtcagga	caagggaagg	gcagctccca	aagatcacct	cggagctcgg	1140
ggggcagggc	acaatcggcc	agcagcgcca	tgtcctcccc	gaggcggggg	tctgcaggtg	1200
ggggctcgat	ggtcagcacc	ttcacacacg	tgcctggctt	agacgccaca	aactcagaca	1260
ccttctcgca	cttggcctcc	aggtcgctga	gcaggtccca	cagctggcat	tgcttggcca	1320
ggcgctcaca	gtcactcaca	tgctctacgc	caatgtccag	gcggcctggg	ggcagtgggg	1380
aggatgaggg	cctgcggggac	ctcagctgtc	atcaggccca	cagaaaaagg	gtgatcccct	1440
cccacctggc	cacctggctg	caggactagg	actcctgggc	ccacttgcca	ccatggtttc	1500
cccataaaaa	gctgttcgga	cgcgtgggtc	gacccggaag	t		1541

<210> 5360  
 <211> 904  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (900)...(770)  
 <223> similar to gi2707600 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 5360
tccggaattc ccgggtcgag cctgcatccg agtagcggtt ctccaagcag ctgggggcatt    60
aggggcttcc cccaggcagg gcatatcgtc ccccgcccag agggccggcg cagtccctggc    120
aacagaagtg gttctcatgc cagcgctgtc cctccgcctc ggtgcagcgc caggagaaga    180
tcagctggga gagggagagg gagaggggaa cgcttcattc attcattccc tcattcattc    240
atccagtaac cacgcctttt acccagttaa cgctaaagca cgtctgcaca cattcccatt    300
taattcactc agccactttt ggacgcaggg aggactgatt ggcttaacca ggatcccagc    360
tagcaagtgg gacaatcccc agtgcgacct ggggggtctgg actcccaacc cagggtccca    420
ggcttccttt tatgtcgaca tcaagggaat ttctagcatg atgaggcaca gcactgggca    480
ctcggcatct actgagatga gcatgtgtcc aagactccct gctctataga aattcgatga    540
gtccaggaac atttgaggga ctctgcagtg ggggaggcca gagagaaggg cactgggtcc    600
tacatgcccc gagctcaagt cagaacacag ggaacttggg agtcccaggc tgggttcctac    660
ttctccccac tccctgatac tgggagaaac tgtggcccag gagagtgtcc ctttgtatcc    720
tgccactctg gactctgggc agacccccag ttccctccct ccaggctgta cctggtcaca    780
agccggggcag cgcggggcgca gcaactctgc atgatgacgg ccgcagtaga gttgtccatc    840
atggtagaag tagatgaggt ttatcagggc ctggccacag gcctggcagg caaagcaagg    900
ctgg                                     904

```

<210> 5361

<211> 988

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (20)...(279)

<223> similar to gi3688089 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5361
cgctcacct tccctaccac cagccggggc cattgacacc cgggacacag ggtcctctga    60
gcctcagcca ccaccggagc cgctcgggtc agggccacca ctgcccacg gcctgaagcc    120
cgagttcgcc ctggcactgc cccctgagcc gccccggggg cctgaggtca aggggggcag    180
ctgcggcctg gagcacgaac tgagctgtc caagaacgag aaggagctcg aggagctgct    240
tctggaagcc agtcaggaat ccgggcagga gacactgtga cactttagtt ccttttttcc    300
ggtcgggtctg cgatgagctg agggcagagc catgagaatc tgetcacctt cccccagcc    360
ttcctgaggc ccaggatgcc aggggtgggg gccattcttg ggccccctc cccccacagc    420
aacactacaa ggggtgcagg agctacaggg agtggccctc cgcgcgtagc tcaagcactt    480
ctatttatga gccagcact ggaagactct ggggggtgaat gggaggaggg ggagcaggag    540
gaggaggagg tctccaagga catcaggcgc ctgttctgga ggggccaggc ttgccctgcg    600
gagggcaggc gtccctgggtg gtgggtgggat ggtccctgt ggccccgggc acagggccgg    660
gcaggcagcc tgggtgccga gaggcggtgc gtgctgggtg tggttgagat gcgcagaaca    720
gccccagaca gcgcaggccg ggcagggtgg ggggatggga gcagaggatc agagctttct    780
ttttctcaag tgcaataaat ctatcagggg gctggggcgg gagcagccgg cactccggga    840
ccctgctgtc caggccactg gaggtgcgc cctgagaggc actacagccc tttggggggc    900
agtggcatgg gtgtgggtga ggggtgggcag agggctgggg ctactcctgt cgggtgcaact    960
ctgttcacac cttttctaata aaactggg                                     988

```

<210> 5362  
 <211> 1496  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1272)  
 <223> similar to gi5453423 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5362

atgtgtgtgg	gaaagccttc	agtcagagct	cagatcttat	tctgcatcag	agaatccata	60
ctggggagaa	accatatcca	tgtaatcagt	gtagcaaaag	tttcagtcag	aattcagacc	120
ttattaaaca	tcgaaggatc	cacactggag	agaaacccta	taaagtgaat	gagtgtggga	180
aagcttttaa	tcagagctca	gtccttattt	tacatcagag	gattcatact	ggagagaaac	240
cctatccctg	tgatcaatgt	agcaaaacct	tcagtaggct	ttcagatctt	attaatcatc	300
aacgaattca	cactggagag	aagccttacc	catgtaatca	gtgcaataaa	atgttttagtc	360
gaagatgaga	tcttgttaaa	catcacagaa	ttcatacagg	tgagaaaccc	tatgaatgtg	420
atgaatgtgg	gaaaaccttt	agtcagagct	ccaaccttat	tcttcatcag	agaatccaca	480
ctggagagaa	accttatgca	tgtagtgtg	gtactaaaag	cttttagtcgc	cgttcagatc	540
ttgttaagca	tcaaagaata	cacactggag	agaaaccata	tgcatgtaat	cagtgtgata	600
aaagtttttag	tcaaagctca	gacctcacta	aacatcagag	agtacactct	ggtgaaaagc	660
cttatcattg	caatagttgt	gagaaagcct	tcagtcagag	ttctgacctt	attcttcatc	720
agagaattca	cactggagaa	aaactattat	ctgtgcacac	agtcagcaa	aagtttcagt	780
cagatctcag	acctcattaa	acaccagaga	atccacactg	gggaaaaacc	atataaatgc	840
agtgagtgc	ggaaggcttt	cagtcagtgc	tcagctctta	ccctacacca	gagaatccac	900
actgggaaga	aaccaaattcc	atgtgatgag	tgtggcaaaa	gcttttagtcg	gcgttctgat	960
ctcattaacc	atcaaaaaat	acacactggg	gaaaagccgt	ataagtgtga	tgcatgtggg	1020
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ccctaccagt	gtgttcagtg	cagcagaagt	tgtagccaac	tctctgaact	tactattcat	1140
gaggaagtcc	attgtggaga	agacagtcaa	aatgtgatga	atgtgagaaa	accttttagtg	1200
tgtacaccaa	ctctattcag	taccagagac	actgtaccag	aaaaaaatct	aatgaatgct	1260
gttgattatt	gatgagtatg	aaaaagggtt	taatcagtgt	tcaactctta	tgctacatta	1320
aaaccacact	ggatccggat	acgtgtgggt	gctcacgcct	gtaatcccaa	cactttggga	1380
ggcagatgtg	gaagcatcat	ttgagcccag	gagtttgagg	ctgcagtgag	ctatgattcc	1440
accattgcac	tccagtctgg	gcaacagagc	aagacctgt	ctatttaaaa	aaaaaa	1496

<210> 5363  
 <211> 1160  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (1159)...(740)

<223> similar to gi4150892 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5363

gctgcgcgga	cgtcttttatt	tttccccggg	tggggagcag	gatacacagc	ccacactgca	60
gtcacttagc	ttgtaaaaat	atctcaataa	ataaaaacaa	caagcaacat	atacactgaa	120
cagagaatat	ttttttttaa	atggctagcc	aagcaatcac	ggagaaagga	aaagaatagc	180
ggcgtgaaag	taagaattcc	aggctgactt	gaaacaatca	tgcagaggct	cgggggaggg	240
gaaggaaactc	gggggtcctc	ttctgagagc	cttgggtccag	tttcaacaga	attgtacaag	300
aatgcatttc	tgttttatta	aaaaaataga	cattaaaaaa	ggcacttaga	gggaaataca	360
aattcaaaat	ccaaatcctc	ataaatgtgt	tcctggaatc	tagacatttt	cagaaagaat	420
aaacctcccc	ccaaacataa	gacccagaag	aaaaatccaa	acagaaacaa	gatgaccgat	480
gacaatgtca	ccagcaagag	ggctgggagt	gcccttccta	tgtggggacc	gtcctggggg	540
aggacgggag	cccgggtctt	ctgtccgatg	tcactgcttg	tcccttctct	cgacgctggt	600
ggagggcaga	ggtggggggc	tcctgagggt	gttccagggt	tccagaagtt	acagactcga	660
atgcattcca	attccacttg	cgccgccgac	gcgacggaca	gccctggcgc	gccgggtccgg	720
ggtgggtggc	gcggcgctag	tgggaggcgg	acatggacca	cgcgccctcc	atgcgccaca	780
cggagaaggc	gtagctgagg	cgctcgtggg	ccacgtagct	gcagctggtc	atcttattgt	840
ccatctcgtc	gctctgcagg	acctggtaga	ggaagtctat	gtacctggcg	gccagcttga	900
gcgtctggat	cttgctcagc	ttgtcagagg	gcagcgtggg	gatgatcttg	cgcagcgccg	960
cgaaggcctc	gttgagcgac	tgggtgcgct	ggcgctcgcg	cacgttggcc	aggatgcgct	1020
ggctctgcag	ctcctcgaa	gactgcgcgc	tggggctgcc	cttcttgccg	cgcttgcccg	1080
gggtcgggct	gccatcttcg	ctcgacttct	tgctgtagcg	ccgcttcggg	ccgaagcgct	1140
tgggctgcct	ctcgacccgg					1160

<210> 5364

<211> 6277

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(6278)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (290)...(5310)

<223> similar to gil200235 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5364

gggtcgaccc	acgcgtccgc	ccacgcgtcc	gtgttctttc	tgagagggga	ctttcggtc	60
ctcagtgtct	gggatgcaaa	caggttgccg	aggggtggat	gacagcctga	accaggttg	120
cgggggtccc	ctgtgtgcag	ggaggctggt	caccctgccc	tctgcagcct	ttctggcctg	180
ggcctctgtg	atcatccagg	cgggaggggg	atgcagaggg	aagctggcgg	tggcccgtga	240

tgttggcaca	gggcctcacc	ggatgctgtc	tctctcccct	gtctcccagg	tgtaccagga	300
tgagtttgtg	tctctcccaga	tcaagatccc	ctcagacacg	ctgtccttgt	accctgcctt	360
tgacatctac	tacatctacg	gcttcgtcag	cgcctccttc	gtgtacttcc	tgacgtgca	420
gctggacacc	cagcagacgc	tgttggacac	agcgggcgag	aaatttttca	cgtccaagat	480
cgtgcgcag	tgcgcgagg	actcagagtt	ctactcatac	gtggaattcc	ccatcggtg	540
ctcctggcgc	ggcgtggagt	accgcttggt	gcagagcgcc	cacctggcca	agcctggcct	600
gctgctggcc	caggccctgg	gcgtgccggc	tgatgaggac	gtcctcttca	ccatcttctc	660
tcaggggccag	aagaaccggg	ccagcccacc	ccggcagacc	atcctctgce	tcttcaccct	720
cagcaacatc	aatgccca	tccggcgccg	catccagtc	tgctatcgtg	gggaggggcac	780
tctggctctg	ccctggctgc	tgaacaagga	gctgccctgc	atcaacaccc	ccatncagat	840
caacggcaac	ttctgtgggc	tgggttgaa	ccagcctctg	ggaggcctgc	atgtgatcga	900
ggggctgccc	ctgctggccg	acagcaccga	cggcatggcc	agcgtggccg	cctacaccta	960
ccgccagcac	tctgtggtct	tattggcac	gcgcagcgcc	agcttgaaga	aggtgcgggt	1020
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cctccgagac	ctgctcttca	gcccgacca	ccggcacatc	tatctcctga	gtgagaagca	1140
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ccgagctctt	accagggggc	atggggccac	ccgcactgtg	cggctgcagc	ttctctccaa	1560
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ctgccttag	atcctgccca	gtggggacct	cctgatcccc	gttggggctca	tgcagcctct	1800
taccttgccg	gctaagaacc	tacctcagcc	gcagtcgggc	cagaagaact	atgagtgcgt	1860
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caaggcgatc	gtgtgcatct	cacctctctc	cacctggggc	cccagccagg	cccccatcac	2700
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cccaccgtc	acccgccttg	agcccacctg	gagcatcatc	aatggaagca	ctgccatcac	2820
tgtgagtggg	acccacctgc	tgacgggtcca	ggagccccgg	gtccgtgcca	agtaccgcgg	2880
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ctataacatg	gccaactcct	tcaccttcac	ccgctccctc	agccgctacg	agagcttgct	4500
ccgcacggcc	agcagccctg	atagcctccg	ctcacgggca	cccatgatta	cgcctgacca	4560
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cgagcacccg	ctggggaagg	actcgccctc	caacaaactg	ctctacgcca	aggacatccc	5040
caactacaag	agctgggtgg	agaggtatta	tcgagacatt	gcaaagatgg	catccatcag	5100
cgaccaggac	atggatgcct	acctggtgga	gcagtcgccg	ctccacgcca	gcgacttcag	5160
cgtcctgagt	gcgctcaacg	agctgtattt	ctatgtcacc	aagtaccgcc	aggagattct	5220
cacggctctg	gaccgagatg	cctcttgtcg	gaagcataag	ttgcggcaga	aactggaaca	5280
gatcatcagc	ctcgtgtcca	gcgacagcta	aggtggtgga	atcggtgagg	agggggcttc	5340
tcagtccctgt	gccgtcctcc	catccagggg	agtggctggc	tcaagcctgg	gtccccgggc	5400
tgagccctgg	attgggtatc	gtggggcagg	tcacctggc	cacgatgcc	ccggcacacc	5460
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gtcccaccct	ccctgctatt	tatatccctc	tgcctattta	ttgaatcgaa	cttcgcctct	5640
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gccacgctgg	accacagggg	ccccctcaag	catctcgggg	ccctattctc	tctgagcacc	5940
tggagggctg	gactcaggct	tgtgccaggg	cctgacttgg	gcctgggggc	cctagaacac	6000
tcctcctcct	gagcctactg	ccaaacgtcc	tcagtgttgt	ctgcacctgc	tccgactcct	6060
tcagccgccc	cattcagcgc	ccgctccgtc	cagtgcgccg	cctgtggggc	caaggcgggc	6120
gtgccttact	actctgtgtc	ttctgcctcc	tctgaggaat	ctggccctgt	ctgacagtcc	6180
cagacccccc	gttctctcct	ctttagtgtg	atgagttttt	ctttgttcat	ggaatgtttt	6240
ttcctgatta	aatgttgggg	aaatgccaaa	aaaaaaa			6277

<210> 5365  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (9)...(455)

<223> similar to gi1310709 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5365

cgccccccga	gcaccccttc	tttgtatatg	gccaggggtg	gtcctcttgc	agccctgggc	60
ggacgacaca	actcttctct	ctgccctgcc	atcggttaca	ggtgggagat	gtctgcatct	120
ctatcagttt	acagagcttg	aacagtaact	cagtttctca	ggccggctgt	gtccctcaa	180
gccagctggg	tccccccga	gaaaggcctg	agaggacggt	cttgggatcc	agagagctat	240
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aaggggagga	ggcacgggct	gcgctgctcc	gtccctcttt	cattccacag	gaggtaaagc	420
tgtccattga	agggcgctcc	aatgcgggaa	aatgaacctc	ttccccagac	caggactggg	480
gctttacccc	agagcctcgc	ctcgccgccg	tgagcaggca	gaggatttgc	acacgccccga	540
gcaaggaatg	ggctttctgg	cagtgg				566

<210> 5366

<211> 902

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(739)

<223> similar to gi908805 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5366

tggtctgtac	tatggggaga	ctgctcagat	ccagtcccac	atcagcgaca	cgtccatcat	60
cctgtccatg	gacaacaacc	ggaacctgga	cctggacagc	atcattgctg	aggtecggtgc	120
ccagtatgag	gagatcgccc	ggaagagcaa	ggccgaggcc	gaggccctgt	accagaccaa	180
gttccaggag	ctgcagctag	cagccggccg	gcatggggat	gacctgaaac	acaccaaaaa	240
tgagatctca	gagctgacct	gtctcatcca	aagactgcgc	tcggagattg	agagtgtgaa	300
gaagcagtgt	gccaacctgg	agacggccat	cgctgacgcc	gagcagcggg	gggactgtgc	360
cctcaaggat	gccagggcca	agctggatga	gctggagggc	gccctgcagc	aggccaagga	420
ggagctggca	cggatgctgc	gcgagtacca	agagcttttg	agcgtcaagc	tggccctgga	480
tgtggagatc	gccacctacc	gcaagctgct	ggagggcgag	gagtgcagga	tgtccggaga	540
atataccaac	tccgtgagca	tttcggtcat	caacagctcc	atggccggga	tggcaggcac	600
aggggctggc	tttggattca	gcaatgctgg	cacctacggc	tactggccca	gctctgtcag	660
cgggggctac	agcatgctgc	ctgggggctg	tgtcactggc	agtgggaact	gtagcccccg	720
tggggaagcc	aggaccaggc	tggggagtgc	aagtgaattc	agggactccc	agggaaagac	780
cttagctcta	agctcaccca	ccaaaaaac	catgagataa	aagtgaaca	cagcccattt	840
ccagtagtgc	tgccttgccc	tggcagactg	ctccggactc	ttctaggaaa	ttcctctgtc	900
tc						902



<210> 5367  
 <211> 1762  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1763)...(538)  
 <223> similar to gi34073 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5367

tttttttttt	ttgaatgaca	aaagcatttt	attgaagatt	cacctgcaga	tggataagag	60
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tgctgccggg	tgttggagaa	gtagtttttg	ttctgatgta	aatggataat	accaggatct	180
agtggggaga	tggcattgga	ctgggaaggg	acatatgtga	ccccataat	ttctggagat	240
gacactcctg	gtcattttct	tctctgcccc	tgggaggtga	gaggtcagct	gacatccttc	300
ccattccagg	tgggtcacca	ggcccaaadc	aagaagtagc	taccaaactc	caagaggcag	360
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agcccattcc	taatcctccg	ctgatgcctc	cagtgcctgg	gctaccgctg	accacagaga	720
tgctcacggc	actctggcat	tctccagaca	ttctgtactc	ctcgccctcc	agcagtttgc	780
ggtaggtggc	gatctcgatg	tccaaggcca	gcttcacact	catgagctcc	tggtactcac	840
gcagcattcg	tgccagctcc	tccttggeet	gctgcagggc	agcctccagc	tctacgcgct	900
tgctgtgggc	atctttaagg	gcattctcac	ctcgtctctc	tgcacagcc	acggatacct	960
gaagagtctg	gcactgcttc	ttgatgttct	cgatctctgc	ccgcagcctc	tggatcatcc	1020
tgttgagctc	tgcaatttca	ctcttggtgt	tcttcagggt	gtcaccatgt	tggtcaaccg	1080
agatctggag	ctgctggacc	ttggtctggt	acagggcttc	agcctcagcc	ttgctcctct	1140
gggcaatctc	ctcgctactg	gcacggacct	cggcaataat	gctgtccagg	tccagggtgc	1200
ggttggtgtc	catggaaagg	accacggacg	tgctcgctgac	atgggtctgc	atctgggaca	1260
gctccgcata	atagaggacc	ttcaggaagt	tgatctcgtc	attaagactg	tccaccttgg	1320
cctccaactc	caccttggtc	aggtaggcag	catccacgtc	cttcttttag	accacaaagt	1380
cattctcggc	tgctgtgcgt	ttgttgatct	cctcttcata	cttagtcttg	aagtcctcca	1440
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ctagctgctt	cctcaggaca	ctgaggtagg	tctcaaagag	gggtcaagg	tttttgctgg	1560
aggtgggtgg	cgtctgctgc	tggagcaggt	tccatttggt	ctccaggacc	ttattctggt	1620
gctctaagaa	ctgcaccttg	tcgatgaagg	aggcaaacct	gttggtgagg	agcttgatct	1680
gttcgcgctc	ttccgtccgg	actttctgga	tctcagggtc	aatctccacg	tggagggggg	1740
tgagcaagct	ctgggtgagt	ga				1762

<210> 5368  
 <211> 1935  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (29)...(1271)  
 <223> similar to gi3645954 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5368

tggctctgca	gcaggaagca	cctacgaacc	atcctccatg	cgactggagg	ccttacaggt	60
attgactctt	ctggcaaggg	gctacttttc	aatgactcaa	gcctacttga	tggagcttgg	120
agaggtgatt	tgcaagtgca	tgggggaagc	agatccatcc	attcagcttc	atggagcaaa	180
gcttctggaa	gaactgggca	caggcttaat	acagcagtat	aaaccagact	ccactgcagc	240
acctgatcag	agagcaccag	tcttcttggt	ggtgatgttc	tggactatga	tgctgaacgg	300
tcctttaccc	agagccctgc	agaattcaga	acacccaact	ctccaggcga	gcgcctgtga	360
tgccctgtct	tccatcttgc	cagaggcctt	cagcaatctg	ccgaatgaca	ggcagatgct	420
gtgcatcaca	gtgctgctcg	ggctgaatga	cagcaagaat	cgcttagtga	aagctgcaac	480
ttcacgggce	ctgggagtct	atgtgctttt	tccctgtctc	agacaggatg	tcatatttgt	540
tgcagacgca	gcaaagtcaa	tattgatgtc	acttgaagac	aagtctctga	atgttcgagc	600
caaagcagcc	tggtccctgg	gcaacctgac	agacactctg	attgtcaaca	tggaaacacc	660
agacccaagt	ttccaggaag	agttctctgg	tctcctgctc	ttgaaaatgt	tacgatcagc	720
tatagaagca	tccaaggata	aagacaaggt	aaaaagcaat	gcagtccggg	cccttggaaa	780
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ggagtctatc	caggccctaa	tttctactgt	tctaacagaa	gctgccatga	aagtccgatg	900
gaatgcttgt	tatgcaatgg	gaaatgtatt	taaaaatcct	gcccttcctt	tagggacagc	960
cccattggacc	tcccaggcct	acaatgcctt	gacatcggtc	gtgacatcat	gcaagaactt	1020
caaagtgcgc	atcagatctg	cagctgccct	ttccgtcccg	gggaagagag	agcagtacgg	1080
gtctgttgac	cagtatgtct	ggatctggaa	tgcattggtc	accgctttac	agaagagtga	1140
agacaccata	gacttttttg	aattcaagta	ctgtgtcagc	ctacggaccc	aaatctgcca	1200
ggcactgatt	cacctcttga	gcttggccag	tgccctggac	ctcccttgta	tgaaagaaac	1260
ccttgaactg	agtgggaata	tggctccagtc	ctatattcta	cagtttttta	aatcaggagc	1320
agagggagat	gacactggag	cacccacagc	cccacaggaa	agagaccaga	tggtcagaat	1380
ggcccttaaa	cacatgggca	gcattccaggc	accaactgga	gacacagcca	gaagggccat	1440
catgggcttt	ttaggaagag	atcctggccg	tttggttttg	actcatctgg	tttcacaagg	1500
gggcactccc	aggggttaaca	aatccagtga	agatccccac	ccatactttc	ctagatgtcc	1560
gaaggcggca	gtaggaagga	cctgaagctt	gagcataagc	atctgtggga	tttcatcctt	1620
cggggcagaa	acaatccgtt	cacgtattta	tttagaatga	ccttagcagc	ccatttaaat	1680
tttcacagag	ggctcaaccc	acctttggag	tgactcccat	agcactggcc	atggtcaggg	1740
ttgttggaac	atctgacctg	tgcatccagc	gagccgagga	gtcaggttgt	aataccaggc	1800
caagcagacg	ggctttgagg	gcatttagtc	tcagaaaaaa	aaaaatgtag	aaggatttcg	1860
gaattagaat	tttgtgtatt	gtatctgtag	ttttgtaata	aactaacgaa	aaatagtgtg	1920
tccccaaaaa	aaaaa					1935

<210> 5369  
 <211> 1293  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (58)...(418)  
 <223> similar to gi3941728 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5369

ggctttggga	ggggagccct	gatccgcctg	aatatctggc	cggcggttca	aggggcctgc	60
aaacagctgg	aggtctgtga	gcactgcgtg	gagggagaca	gagcgcgcaa	tctctccagc	120
tgcatgtggg	agcagtgcg	gccagaggag	ccaggacact	gtgtggccca	atctgagggtg	180
gtcaaggaag	gttgctccat	ctacaaccgc	tcagaggcat	gtccagctgc	tcaccaccac	240
cccacctatg	aaccgaagac	agtcacaaca	gggagccccc	cagtccctga	ggcccacagc	300
cctggatttg	acggggccag	ctttatcgga	ggtgtcgtgc	tgggtgtgag	cctacaggcg	360
gtggctttct	ttgtgctgca	cttctcaag	gccaaggaca	gcacctacca	gacgctgtga	420
gtacctggcc	agcagcaagt	acctgagtc	cagctcacct	cctggttcct	gccccaccgt	480
tccctttcag	taccagggt	gctgtcttct	ccatgggcaa	gccctcagga	cggtgacagc	540
gtgtcccatg	tgagccacac	cccttttgct	tcctccagtt	ggggtgtttc	ctttgtcaga	600
tgttggtctg	gaccaggact	cagcctgggc	cagtctagga	gccagctga	gccctcctgt	660
gtcttttccc	ttcatgctgc	cagcaggga	gagaaccagt	aggtgccagc	ccaggcaagc	720
ctgtggcccc	cgtttctgtg	gctgtgggca	ggagctgggc	cttgtgtcta	gttgggtttt	780
gctctgagaa	ggggagctgt	gcctgaggcc	ctctgtgtgc	cgtgtgtgct	gtggggcggg	840
tcgccacagc	ctgtgttaaa	gtgtttgctc	ttcctctgct	gcctcctctc	gaggcagggg	900
gtccttggt	ggctgaggca	gtgtcacctt	cctgagtgtc	ctctttggcc	tctgcagaat	960
ctgaccctt	tgggcctgga	ctccatcctg	aggggaaagg	aggatgcaga	gggtggcctc	1020
tgggcacctt	tgtgggtaag	cgggggcg	gggcgggaaa	aactctggcc	gccagttttt	1080
ggctcctg	ggcaccagc	aggccaagt	tttaatgcct	gacatctcct	cctgtcctgg	1140
gcctggaacc	tcagctgag	aaaatccctc	aaccacctcg	tctcctccat	cggccctgct	1200
gggcccccca	gcctgacag	tgggtgtgat	gcctgcctct	ttccaccaac	tggcctgggc	1260
actgccccca	aataaaggaa	ctctgcactg	caa			1293

<210> 5370

<211> 1890

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1892)...(740)

<223> similar to gil595868 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5370

tttttttttt	ttggtaaaat	agcttttatcc	tctgtcagaa	cacaaacaaa	caaactttga	60
gaggggagga	aggaaaccgt	ctagctcagg	gctcacttag	gagagggatg	agattagaaa	120
gttcaacaca	ctgcttgtgc	agctggagat	aaagtcaaga	ccctagcacc	cacttataaa	180
tatctcgta	tattaaaaaa	aaaaaaaaatg	tccaggggccc	acctggctct	gctcctgcac	240
agaaagggtt	catcttcact	ttgtgatctc	acaggctcatg	gagtgagggt	ggtagagagg	300
ggcagaaatt	tcagggggag	gggtggctgg	gaaaaagtaa	aggggacaag	ccaatgtgta	360
actagcgctc	tccaagacat	gcagaggagt	gggggtggcc	tgtcaggggc	tgaaaagaaa	420
agccagtgt	gtacctgggg	ggttgtctca	ctcctgtccc	cacaatccct	gatactccgg	480
agtgatctgt	cctttcagac	accactgtg	aggteccaat	atcgggggtt	atcctttcct	540
cagtcccagc	ctgttcagct	ctccaaccaa	gttttggggg	cccctcta	gggggggatg	600

gccccagttg	cttaggcctc	tgaggtcaac	ccctttacat	cacagccctc	tccccaaata	660
agaagcatga	ggtgagctgg	aggaccctcc	ctgggaggag	ggtgttctgg	ggggtgagcc	720
agttttgggg	tcccccttca	gtccctgacc	aggcggtaaa	tgtgatgctg	ggccccacgc	780
tcgctgggtg	agacctcgaa	gacataggcg	gtgcagagca	gcagttcctg	ggtgtctctg	840
tttgtcacca	cctggaggat	ggtgaagttt	tccaggacgc	tgttcatcat	gtatcgctca	900
ggcagctgcc	gcaacttggt	caagaagttc	accaggtact	cgcacatggg	cgagcgcagc	960
aggcgggtaca	caaatctgcc	gtcctccagc	tgggcccgtt	ccgtctccac	cttctccacc	1020
acctgcttgc	caaaagagca	gaccttggag	gaacagggtga	gggtcatgtg	ttccaggctc	1080
tcatactggc	tgctcactcc	gtagaagcca	ccactgctga	tgctgccacc	ggccccctgcc	1140
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atctgccgga	cgtccacact	ctcgagcggc	ggcgctccgg	ggctggggca	gtgctggctg	1320
atgtgcacga	acaggtgcct	ctggtaagaa	tcaactgcat	ctggcggttc	cacgaaggct	1380
gagaactcta	ccagctgcaa	ccgggcgggtg	cccaggcccc	gagcctgcca	ggctgggggc	1440
gatggggtag	gtgggggcag	gggtgagagg	gcttgggggg	gctcgtaccc	tgggagggtca	1500
gtagatgggg	gagtcagtga	caaggtgaac	ggtgtctgtg	agaatggctt	cacatctgga	1560
acattccagg	ggggcccaga	tcctccagac	caaaactgga	aaagctcaga	ggcctggacc	1620
acctgaggac	cagtgggacc	cagtttggcc	tgagagaaag	gcgcggagat	gagctgggca	1680
gaggacatgg	ttgccattgt	ctggaaagcc	ttgtccttgg	aaacctgggtc	cacgttcaga	1740
gccttcaact	tggactggat	ttcccttgat	ttccttcggg	ccaaaccctg	gatgtgacta	1800
gaaacctgtt	ttcgagttcg	ggtcttcccc	gttctcagct	tgatgtagcg	ggcgatcagt	1860
tcattccgac	catacatctt	gccttcatca				1890

<210> 5371

<211> 1046

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1047)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (696)...(220)

<223> similar to gill176422 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5371

gggctcagac	aggtctgacc	agtctttaat	gggcaggcag	gtgcccagg	cagcctccag	60
catgaggcgg	gacaggcatt	gcccggagg	cctctgggtg	gggagggcat	gctcgggtgct	120
tgctgccagc	tggagccagg	gctgaggcgt	gcagggatcc	ctggccctca	cggccaccct	180
gggtgttca	aggatgagg	cggagctggc	ttcactgggg	cacagggtctg	ggggcagcct	240
ccagtcttgc	cctgctgggc	ctttcggctc	cagttgagga	ggggccgggg	actggccccac	300
gtggatgccg	gggtcttgca	accatgctcc	ctctggctcc	ttagaagccc	cctggggccc	360
agcaggacgg	gccggcggtc	ccccaagctg	ggcagtctag	agctgggcag	cagcgacacc	420
acctgcaggc	tggcgcccgc	ctctcccgca	gccttcagct	ccgtcaccac	ctccgcgtgt	480
ctccaccacc	tgcattggctg	cccattcact	gacacaatgt	agtcgccctc	cttcaggcca	540
gccgcccggg	cctggctccc	tggaatgacg	gcagcgatga	ggacaggcga	gtctccccga	600

agcgtgaggc	caaagccgcc	ctctcctcgg	gtcaggtgga	cgggccccac	cagccgccac	660
cggttcttgg	ctgagaacac	agacaggggc	ccctggcagg	ggctcagagg	tcagaggccc	720
agctgggcca	cacactgagg	agacccccacc	tgactagcac	atccatccaa	cctgtgcacc	780
gagggacacc	gtgggggttc	acaaggtggg	tggggagggc	tggaccacca	tcaatggcct	840
gtctgaggcc	atgtgctggt	cagagccaca	cagcccaagc	tgcccatgct	gggcgggtgcc	900
tggggacggg	tgtgctcacc	agccgatgga	agatgtcagg	ccccctcccc	tgggacaggc	960
gtggcatcct	ggcctctggn	nttcnccgc	nctggcgcag	tggactcagg	tttttcaatt	1020
ggngggggng	ccctggaacc	ataaca				1046

<210> 5372

<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (437)...(839)

<223> similar to gi3868778 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5372

agctgtgttaa	aatatattgtt	gtgcttgttt	agaattgaat	tgtaatgttc	taaagcgagc	60
aattattttct	taccatggaa	gctgccaaac	ctctaatact	tctatacttt	gccagtgtgt	120
ctaaattgca	ggagatattg	gtaccctaag	cagaacagac	acaaccttct	cagacacagg	180
aggatgaccc	tgtttctaaa	tagctgcaca	gtctagttct	ctctcctggt	tactcgttgt	240
tagtttagtt	gtctaagact	atgcgcttgc	tgaggacagt	catttttgaa	ttctccagcc	300
cctatcgag	tgtctggcat	gtgatgagag	aacaggaata	ttgttgaaa	agtgaaaatg	360
catattccat	cccatectgc	cccctttcct	ccctctccct	ccttcttctt	accctcacac	420
taaccttttg	gttttgcttt	ctaggcaaag	caggaaaaat	gccagctcgg	tctcccagga	480
ctcttgggag	cagaactact	cccctgggga	aggcttccag	agtgccaaag	agaaccccag	540
gtactccagc	taccaaggct	ccaggaacgg	ctacctggga	ggacatggct	tcaacgccag	600
ggtcagtctg	gaaactcagg	agctccttcg	ccaggaacag	aggcggaagg	agcagcagat	660
gaagaagcag	cctccttcgg	aggggcccag	caactatgac	tcgtataaga	aagtccagga	720
ccccagttac	gccccctcca	aggggccctt	cgggcaagat	gtgccccctt	ccccttctca	780
ggttgcgagg	ctgaacagac	ttcagactcc	tgagaaaggg	aggcccttct	attcctgagc	840
acgcaaataa	cggatgcttc	atgtcgcgca	ataaaagaca	ttttcctatg	aagacttgta	900
ttttgggagt	ttttttaaaa	cctcgatggg	actatggagt	atttctgttg	ttggtatcag	960
tgcctttaag	cgggtgtaggc	aaagaaatgg	aaggcccttaa	tgtctttgcc	actatgtctc	1020

<210> 5373

<211> 1476

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(576)

<223> similar to gi4164385 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5373

agggaggagc	cctcacagac	atcgtctccc	aagtcaggct	gaatgaggag	cagattgcc	60
ctgtgtgtga	ggctgtgctg	caggccctgg	cctacctgca	tgctcagggt	gtcatccacc	120
gggacatcaa	gagtgactcc	atcctgctga	ccctcgatgg	cagggtgaag	ctctcggact	180
tcggattctg	tgctcagatc	agcaaagacg	tccctaagag	gaagtccctg	gtgggaaccc	240
cctactggat	ggctcctgaa	gtgatctcca	ggctcttgta	tgccactgag	gtggatatct	300
ggtctctggg	catcatggtg	attgagatgg	tagatgggga	gccaccgtac	ttcagtgtact	360
ccccagtgca	agccatgaag	aggctccggg	acagccccc	acccaagctg	aaaaactctc	420
acaaggtctc	cccagtgtctg	cgagacttcc	tggagcggat	gctgggtgcg	gacccccaa	480
agagagccac	agcccaggag	ctcctagacc	accccttcc	gctgcagaca	gggtacctg	540
agtgcctgg	gcccctgac	cagctctacc	gaaagcagac	ctccacctgc	tgagcccacc	600
ccaagtatgc	ctgccaccta	cgcccacagg	cagggcacac	tgggcagcca	gcctgcccgc	660
aggacttgcc	tgccctctcc	tctcagtatt	ctctccaaag	attgaaatgt	gaagcccag	720
ccccaccctc	tgcccttcag	cctactgggc	caggccggac	ctgccccctc	agtgtctctc	780
cctcccagag	ccccagatgg	agacccttt	ctacaggatg	accccttgat	atttgcacag	840
ggatatttct	aagaaacgca	gaggccagcg	ttcctggcct	ctgcagccaa	cacagtagaa	900
aaggctgctg	tggtttttta	aaggcagttg	tccactagtg	tccaggcca	ctgcagaggg	960
cagactgctg	gtctccacag	atacctgctg	ttctcagctc	cagcttcaaa	cctcgagtct	1020
cgagagggcc	acggggtgg	ttttatgacc	ggaatccgc	ttcctccctc	acgtctgatg	1080
tcctgaaggt	gcagtcccac	ctgtacagcc	cctccccgcc	aagaactgtg	aatggcctgc	1140
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ggggtcggtg	gtgaagggtc	tctcacttta	cagaatggag	agaacatcgt	gtgtgtgtgt	1260
gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtaag	ggaggaaagc	caccttgaga	1320
gtccaggtct	ctataggtca	cccacagaca	gtttgaggag	ggctgcctct	ctctccact	1380
aatttctggc	ctgaagggac	ctgctttatt	ggtgtgtctt	ccacctctac	actcgtgtgt	1440
atacctggcg	agtggagtgg	tccacgctat	gtctca			1476

<210> 5374

<211> 1687

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1683)...(1055)

<223> similar to gi2739433 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5374

gcggccgcat	ctggctctc	cagggtatcg	gcggcggggc	tgccaggctg	aggctcggcg	60
tcgcggctct	cgaggggcc	cctctctgct	ccaggtgcac	tcatttcac	cgtcagacct	120
ttcagtttgt	tgctaagcct	gaaggtctct	aagattttgt	cttctgggag	agacagcaaa	180
ggagcaggca	tcaactttcc	aggaagaccg	tttgcccttag	caaagggtatt	ttctgagtgc	240

agggcaggct	ggccttggca	gctgggcacc	atcaggcgct	aggccgtttt	ctttcggggtc	300
actgtcgctg	tctgcaactat	tagcaccggt	taggggtcatg	ggttcttgaa	gctcggtgcgg	360
agtggcctcc	tcattcttcgg	catcttggcc	gggagagtgg	gagctcacia	tcgtaccaat	420
cccattctcc	ttgccagacc	cctttgactc	ctcgtcagag	tcctcagagg	actcggcgcc	480
atagggcacc	agcacgctgg	agttcagctt	ggatttgcca	ttcatcacgg	gctgggagca	540
ggattcactg	cgggggatcg	gttttgttac	tttactagaa	actgacatcg	tagatgcggt	600
cgaggtagac	tgtactgcag	aattggtaat	ggtagaaaag	ggaacgggct	tggtagggtt	660
ctccaaagaa	ttactatgaa	ggttagggtg	agactgacac	tggcgaacag	gcaacttggt	720
gtgaatactg	attgtaattt	tttgtttctt	aggatgttct	gggatcactg	aggacctatt	780
aactgaccag	ttttggacag	aagctgaagc	attaacagga	ctagccctgt	tgacactgga	840
attcccgtta	ggactcgaca	tggaaactgct	tggcgtgtct	ttcaatgggtc	cagtcccat	900
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gctatgggtg	ggatgagtaa	gttcacctcc	atttttcaca	tcattgggacc	tgatataaaa	1080
gagcacatag	gcttggtggc	tgagtaccga	tctaataatca	ctggtagata	caatggagtc	1140
attcatttga	taccagaggc	cattgctagc	ttttatgtag	cagaagtaat	ggccagcatg	1200
gcaattaaaa	ccagtgtgga	ccagcactgc	atacaagacg	tagacaattg	gctctccgtt	1260
gggttgagac	atatatggcc	gaatatcaag	atactcaggg	tatttcacat	ccttagcaat	1320
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atggatagtg	aacctctttg	aagctggaac	catcttttta	cacttgctgc	acttgtagca	1440
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agcagccttt	atctccaatg	ttatatcaag	atatggatca	aaagtatctg	aaacgcctt	1560
gcaattttaa	catttgactc	tagatcttag	gtatcctcca	aatatctgac	aaacaagagt	1620
ggtggcctgg	gtgtgtctgt	ctaatttatt	gctgccattc	aagcatgccg	acgcgtgggt	1680
cgacccg						1687

<210> 5375

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (790)...(382)

<223> similar to gil62781 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5375

ggtttaaaaa	aatcattctt	accaccaata	cagcaattaa	taaagttcct	actcttttga	60
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acctccccac	catatatatg	caagtcata	taaatccaaa	tctcaaaaag	ctgatataca	180
aaccactcag	aacatttttc	gtgaaatata	tgttttaatt	cagcagtaaa	aggcagcaca	240
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gtatcagcaa	ctgtgtacag	cttggcaagg	ttttcagtc	tgtcctccag	ggaggatctt	360
gacttctcag	ttcccacttc	aggaatacat	ggtaactgc	agccactctt	tgatagacac	420
ttgaatcagg	ccatctctat	ctctatccag	agacttgaag	gcacgaaaca	tggcatccag	480
gcggaccaag	cagctgatga	aattgttaaa	atccatatct	ccatcttcat	tagcataccg	540
gcggacaatc	atttggtaaa	gttgttcatt	tagctggaag	cctgcggcct	gcagagctcc	600
ccgcagctga	gaacttccca	gagaccaga	atggtccctg	tcatactgct	tataaacaca	660
ctgccatttc	ttgatgttgt	tccacagata	cttaaattct	tcaaagccca	gcttaccagt	720

cgtgtcactg	tccatgacag	acacaatgct	cgggcaggtg	tcaagactaa	aaccgtcagt	780
cttaagatc						789

<210> 5376  
 <211> 2142  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (129)...(1308)  
 <223> similar to gi3877668 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5376						
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atggctcaga	cggaggggtt	tcatggtctc	ctatggatga	tgaacttctt	gcacagccac	180
aggttatgaa	attattagat	tcaactccag	agcaatatac	ccgctaccag	gaagtttgta	240
ggcaacgtag	caagcgcaca	cagttagaag	agattcaaca	gaaggtaatg	caggtggtga	300
actggctaaa	agggcctgga	tcagaacaac	taagagccca	gtggggcatt	ggagactcca	360
ttagggcctc	ccaggcccta	cagcagaaac	acgaagagat	tgagagccag	cacagtgaat	420
ggtttgtagt	gtatgtggaa	cttaatcagc	aaattgcagc	actcttgaat	gctggcgatg	480
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aggccagtca	gctggaattt	aggcaaaatc	tcttacaagc	agctcttgaa	tttcatgggtg	600
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atgttgacac	gagcacttat	gactatggca	ggcagttgct	acaggccaca	gttgtgttat	1140
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catttcactc	aaatgctgaa	aagattttgc	aggactgtcc	agaagagcct	gaagctatta	1320
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ctgttccagt	agtttatcct	gatggaaccg	aacaatattt	tgggagtcct	aagtgcacatg	1440
gcttctactg	gcagaaaaca	tcagagacag	gatgaaacta	gttaatctca	aaaggcagca	1500
gctgagacat	tctgaaatgg	tgaccacaga	gagctaatag	ctaccagcta	cctacagatt	1560
tgcagttcat	aatcccgcct	gttgtcaaca	tactacagca	ttagccacca	caccttaaga	1620
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aacaccttgc	tactaccaag	gcataattac	tttaacatgct	tcgaggctgt	agattccaag	1740
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cctgtcagtt	tgtagacaaa	caactgataa	taagctttga	atgggtgctaa	taagagtagg	1860
aattctctct	attaaaaaga	aaaaaaaaag	ttgcccttcc	tccacaggtg	atttattaaa	1920
tttagacagt	agttaaactc	ttgttagtag	acaggggtgt	cctcaaaatt	ttactttgta	1980
attcttcaaa	attgattatt	tttattgtgt	caatacacag	aaagcctttc	agatctttga	2040
tatatcatag	tcattaaaaag	accttttctc	atttgtattg	ataatgtatt	aaaagttggt	2100



tgtgcttaat aaaagacttc tttaaaccatc ttaaaaaaaaa aa

2142

<210> 5377

<211> 922

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (925)...(207)

<223> similar to gi3868802 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5377

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agccaaagaa	atggtactat	tctaaaaata	acttgtctta	attcattgga	agaaaagcag	120
aaaaataagg	ggacccttat	ttaggaaact	agcttcattt	tggtatttta	atttgggggc	180
cattctgtct	cagaggettg	agttcaggaa	gacacctctt	gttcattctt	gttggtgact	240
ttggtggatt	tctcttccac	agtgtgaact	ctggatgaga	gaactttgcc	acgaggatct	300
atctcttcaa	caactgtttt	gacaatggtg	gttttagatg	aatcttttgt	ttgatttcct	360
gggcctccat	agccttttga	tttagaacag	gagccatctt	ctccatctat	caggaggcag	420
taggtctcaa	tttctttttc	caggtggacc	ttgatgtcaa	ggagctgctc	atactcgagc	480
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agggagtgtt	tcgttgctaa	gagggactga	agttcaatct	caagggtttg	aagagtgcgt	660
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tgctgcagcg	aggcgtctct	ttcgttgaac	caggcctccg	cgtccctgcg	gttctgctct	780
gcgagggtct	cgtactcagc	tgcgatattg	ttcagcagaa	ccgtgaggtc	taccccgggg	840
gccgcgttca	tctccacgtt	cacgttgcc	ccagccgcgc	actgaagagc	tttcatttcc	900
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<210> 5378

<211> 2897

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (14)...(1969)

<223> similar to gi5081610 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5378

cccacgcgta	cggccaggtg	ggagtgaaga	ttgtgatgtg	ttggaggcca	cccagcccct	60
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acagcaggag	gaggaggaat	caaagccaga	accagagagg	tctggcctca	gttggagcaa	180
ccgggagaag	gcaaagcagg	cattcaagga	actgctgagg	gacaaggctg	tccccctcaa	240
tgcctcatgg	gaacaggcca	tgaagatggt	ggtcaccgac	ccccgttaca	gtgccttgcc	300
taaactgagt	gagaaaaagc	aggcattcaa	tgcctacaag	gcgcagcggg	agaaggagga	360
gaaggaggag	gccccggctaa	gggccaaaga	ggccaagcag	accctgcagc	atttcctgga	420
gcagcatgaa	cgcctgacct	ccaccacccg	ctaccggcgg	gcagaacaga	cctttgggga	480
gctggaggtc	tgggctgtgg	tccctgagag	ggatcgaaaa	gaggtttatg	atgatgtcct	540
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ccaggggcag	aggagaaacg	ggaaggtaag	caaatagcc	agaccaccat	gctccttgtc	2880
ccctgccaaa	aaaaaaa					2897

<210> 5379

<211> 2214

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1084)

<223> similar to gi4731361 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5379

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ccccactccg	gagtcgccc	tgccgcgggg	acatggctct	ctgcgttcag	gggtgagcac	180
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tccaaagcgg	gcacacacat	gtacctagaa	cacaccagcc	actgtcccca	ccatgatgat	300
gacacagcca	tggacacacc	cctgcccaga	cctcgccctt	tgctggctgt	ggagcggact	360
gggcagcggc	ccctgtgggc	cccgctccctg	gaactgccc	agccagacat	gcagcccttg	420
cctgctgggg	ccttcctcga	ggaggtggca	gaggggtacc	cagcccagac	agagagtgg	480
ccaaaggtgc	tggacccaga	ggaggatctg	ctgtgcatag	ccaagacctt	ctcctacctt	540
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aagatgccag	aaggcacgtt	cttagtacgt	gacagcacgc	accccagcta	cctgttcacg	660
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ttccgtctgg	actccaactg	cttgtccagg	ccacgcctcc	tggcctttcc	ggatgtggtc	780
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cctgtcccca	ccccggccct	gcctatgcct	aaggaggatg	cgctagtga	cccagcactg	900
cctgctctc	caccagccac	tgctgtacac	ctaaaactgg	tgacgccctt	tgtacgcaga	960
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ctctgactgt	acggggcaat	ctgcccaccc	tcacccagtc	gcaccctgga	ggggacatca	1140
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cagtttggtg	gtcttttctc	ttccactgat	ttttctgtaa	tgacattata	cctttattac	2160
ctctttattt	tattacctct	ataataaaat	gatacctttc	atgtaaaaaa	aaaa	2214

<210> 5380

<211> 1512

<212> DNA

<213> Homo. sapiens

<220>

<221> misc\_feature

<222> (1515)...(918)

<223> similar to gil228052 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5380

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ttttaaaagt	gtctactaaa	gataaaaaga	ataagataac	aattaacatg	tagtttggtta	240
cattaaaaaa	tctgatatac	atatttctat	tgctgttag	cttgttctaa	gcctctttaa	300
ctattacaac	aaaaaaaaaa	aaggaaagaa	aaagaaaatt	cattgtttta	aggcaaacat	360
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acactaagat	ggaatgggat	tctgtctgct	tgacgtatat	ttttagcacc	tgggtaccat	1500
ccagaagggt	cc					1512

<210> 5381

<211> 2197

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2195)...(580)

<223> similar to gi2924552 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5381

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<210> 5382

<211> 1520

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(648)

<223> similar to gi4589624 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5382

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gatgttgact	tgatcttcag	agaagatttt	ctccaacgat	gtagagacaa	tacaattcag	240
ggacaacagg	tgtactatcc	catcatcttt	agccagtatg	acccaaagg	aacaaacggg	300
ggaaatcctc	ccactgatga	ttacttcata	ttctcaaaaa	agactggatt	ttggagagac	360
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<210> 5383

<211> 2850

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2767)...(1222)

<223> similar to gi1825589 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5383

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aagaggactg	ctgcttaggc	aattttctag	ggacttaaac	acaccgatgg	gaatataaat	360
atttcaaaca	caaccctgt	tacattctta	cagctagttt	catcacttag	gtctcttctt	420
agcttaaatg	atgctccttg	aatctgtttg	gtccttggag	gggcaatcca	tttttgtttt	480
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cttaaccctt	cactcttaaa	ctaaaagtgt	tcattatcat	ctcacgtgaa	tccaatgtgc	600

aggttttgct	tgcttattta	agaataaaac	aaaacaaaca	taaaggggtg	aaaaacaaaa	660
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aactgttttt	ttatcttgac	tgccagagac	gctcctttgc	aatgccttcc	ggtaaccaaa	960
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tgagaaggcc	taaagggaaa	aataaaacia	aataaaagat	tcactcttaga	acccacgcg	2820
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<210> 5384

<211> 663

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(433)

<223> similar to gi468032 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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<400> 5384
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gtggatgccc tttcccaggt gtgtccacc ctctggtctc ccactacaa ggagctcatc      180
tcaggccatg gctttgcaca gaaccagctg gttatttgga agtaccacaa catggccaag      240
gtggctgaac tcaaaggtca cacatcccgg gtcctgactc tgaccatgag ccagatggg      300
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gacctgtgtg ggcggcgagg ggcgggagaag gccagtgcag ccaaaagcag cttcatccac      420
caaggcatcc gctgaagacc aaccctcgc ctcagttgtt ttttattttt ctaataaagt      480
catgtctccc ttcaaaaaaa aaaaaacaaa actgggggggg aattaccaa ttggattcaa      540
tcctggttta aaaaataggg ggcctttttc ctttaaaaaa aaaaaaaagg gggggccctt      600
taaaggttac aaatttttaa acccgggggg gcggagggtta agttttttta aggggccccca      660
aaa
663

```

```

<210> 5385
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (542)...(462)
<223> similar to gi3152662 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

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<400> 5385
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gaacacatgg gaagtttaat ccctcctcct cccttttttt ttttaataa ttaagggaat      180
gactagcttg tcattcctac cagaacaact ggtacctgta ctcatttctc taccatattg      240
tttctcttta gcatagctac agacctcctc agggcatgct atcccatttt ctgaaagtca      300
aataagacaa aatcaaacat ccaagtgaga gacacattag acagttctca ttcccagag      360
catctccatg gcacagatgc atgaaaaaaa tgggaacaga ttcttcattt gcatagaagc      420
taaatagcta tattaatatc tattttaaga gtttcccttt acctttgctt cgtaaccatt      480
aacaacttct gctttatctg tctccagccc ccagaatccg gatttagttc tgataaaaag      540
tgaacaccac aaatttctac atgtacaata tgccattcag atttatatct gtagccttta      600
tagttttttt cccccccagc ttaagttagt gaaggacact tggaaatcat ggtcctattg      660
tccacaggag gcggttagca atgacagatg gc
692

```

```

<210> 5386
<211> 4703
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```



<222> (4704)...(1924)

<223> similar to gi4529843 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5386

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taatagccac	gataaacttt	gttagaaatg	tacatgttgc	caaaataata	ataataaaat	180
taaaaaaaaa	agagagagag	aacagcttga	tgtccagggt	agattatata	aatgttcaac	240
aagggcaggg	taaaggaaac	tttaaaaaca	ccagttctga	ataagcctgg	ggccccgtga	300
gactccccct	ctccacacca	gtctcggggc	ctagggactg	cgcccccca	aacaggacaa	360
gtgggagtgg	ataaggcctc	caccaagctg	cctctcccag	tggacaaaaa	catccaggta	420
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aaattacagc	atcacaaaac	acggaaacac	ttcacaaggt	gctagtataa	taactgtatc	540
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gaggcattct	cactgagccg	gatctctttg	gccaggctct	tgattagctg	tgaaggtttg	3960
aagtgtctcg	ggagctcgtc	ctcatgctct	gccaaagcct	gcttcttcgt	ccacgatcgg	4020
aaagcaccat	tgagaatttt	agctccttgg	actagatgag	ggggcagctg	cttcccagat	4080
ttgtgagagc	ctttgaatgc	ctccagcagg	tgcttcccca	tgtaccagca	cgcagtttca	4140
aagttgggaa	actgagtcag	gctgcccagt	ttcaacctcc	tttccacttc	atatgtcttc	4200
atctgcatct	ccacactcag	gctgtggagg	aaatgtcccg	cgaaggccag	gcagtcacac	4260
ggggtgagtg	tggcgtagat	ccagcctgag	gggatgaaga	gggtctggcc	ctgcttgacg	4320
atgcacttgt	agcattttgtc	gacctggtca	gcaaagaaca	tctcgctgtg	gttagaggca	4380
gaccgccagc	gctcatacag	ggagatgttg	gccgaggccg	gcctgatgag	atagaaggtc	4440
ttctccccct	tgagcacgtg	gtaccaggca	gaggcgcccc	cagagtcgat	gtggaagtcg	4500
gtgtaactgt	ccttcacgca	gattaggcag	tacttggtca	ctttgggctt	ggccagcaat	4560
gcatcatctg	cccatagatt	ttctacctat	gacagtttct	ttacaatgtc	aggtggctcc	4620
acgaagctgg	acattcgggt	gtcagagaac	tccaggttgg	tgacgttgag	gacccgcttg	4680
cggttggtgc	tgtagtaata	gtc				4703

<210> 5387

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(491)

<223> similar to gi2808660 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5387

acctcactct	ttctgaggac	caaagatgtg	taaggcttgg	agacagacgg	cagcctgtac	60
ctgacaaccc	ccagagattt	gatttcgttg	tcagcatcct	aggctctgag	tacttcacga	120
ctggctgcc	ctactgggag	gtgtatgtgg	gagacaagac	caaattggatt	cttgaggtat	180
gtagtgagtc	agtgagcagg	aaggggaagg	ttactgcctc	acctgccaat	ggacactggc	240
ttctgcgaca	gagtcgtggg	aatgagtatg	aagctctcac	atccccgcag	acctccttcc	300
gccttaaaga	gcctccacgg	tgtgtgggga	ttttcctgga	ctatgaagca	ggagtcactc	360
ctttctacaa	tgtgaccaac	aagtcccaca	tctttacttt	caccacaaat	ttctctggcc	420

cccttcgccc	tttctttgaa	ccttgccttc	atgatggagg	aaaaaacaca	gcacctctag	480
tcatttggtc	agaactacac	aatcagagg	aatcaattgt	ccccaggcca	gaagggaaaag	540
gccatgctaa	tggagatgtg	tccctcaagg	tgaactcttc	tttactaccc	ccgaaggccc	600
cagagctgaa	ggatataatc	ctgtccttgc	ccccgacct	tggcccagcc	cttcaggagc	660
tcaaggctcc	ttcttttttag	ggatatgcc	cattacctgc	tcccatcacc	atccagccca	720
gcacctggg	acttcagtcg	cctggcccaa	ccccatgatt	atggaacgtc	taatcaaatt	780
aacccaaatc	cagaccctgt	att				803

<210> 5388  
 <211> 1280  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(629)  
 <223> similar to gi5081459 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5388						
cctatgagga	aatgtcactt	tatcatcagc	cagcaaatag	gaagagacct	atcatcttga	60
ttgggtccaca	gaactgtggc	cagaatgaat	tgcgtcagag	gctcatgaac	aaagaaaagg	120
accgctttgc	atctgcagtt	cctcatacaa	cccggagtag	gcgagaccaa	gaagtagccg	180
gtagagatta	ccactttgtt	tgcgggcaag	cattcgaggc	agacatagca	gctggaaagt	240
tcattgagca	tgggtgaattt	gagaagaatt	tgtatggaac	tagcatagat	tctgtacggc	300
aagtgatcaa	ctctggcaaa	atatgtcttt	taagtcttcg	tacacagtca	ttgaagactc	360
tccggaattc	agatttgaaa	ccatatatta	tcttcattgc	accccccttca	caagaaagac	420
ttcgggcatt	attggccaaa	gaaggcaaga	atccaaagcc	tgaagagttg	agagaaatca	480
ttgagaagac	aagagagatg	gagcagaaca	atggccacta	ctttgatacg	gcaattgtga	540
attccgatct	tgataaagcc	tatcaggaat	tgcttaggtt	aattaacaaa	cttgatactg	600
aacctcagtg	ggtaccatcc	acttggtctg	ggtgaaagaa	acatccattc	tgtggcatgt	660
tggacttgat	ctggcaaaaa	ctgccaatag	gaggactgcc	cgacactgca	gcaagattga	720
ggataagatg	gaaggcagca	gtataagctg	tagatctgtt	cttagatctc	ttgaattagt	780
gagacgacag	ttcccttagg	cagtttgtgc	atggcatcct	ttattctcta	tacatggctt	840
tagcggttct	tgcctcattt	tgggattcta	aatggaagct	ttcaacagag	cattccattt	900
tgtcctgtta	aaaccttttg	ttttcaccta	aaccttttct	gcttagttgt	atctctgtga	960
aaaacttgta	tacacaagcg	tccatgtctc	acacaaatat	tgatgtgatt	attcttaagt	1020
gttaaatacat	taacacttaa	atgacttcat	tgggaatatt	gagcagaggg	actgtgcttc	1080
tatgcactgg	gcaaggcagt	atttgcttag	gaaactaatt	tagtcatcag	agatactttc	1140
ctaaaaagga	aaaataaaaa	acaaaatggt	gccactttgg	gttgaagcta	cttttgtag	1200
gcttgaattc	atttatatgt	cttttgattc	ttaaaaaaac	aaaaaacatt	ccattagaag	1260
caccagtttt	tttggctcag					1280

<210> 5389  
 <211> 543  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (544)...(46)

<223> similar to gi2772539 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5389

gctgcaaagt	gaggaggccc	ggggtctcca	ttgtacatgg	gtctatttga	cagtgaacctt	60
actctggaaa	taatgatatt	ccttcagtct	gaggtaattg	atgttgatga	aaccggtggc	120
atcgattggc	tcataattcc	cctgcacgtt	gacgctcacc	agctcctcct	tgtagagaga	180
gagtagagac	tcctggctga	ggatgtgcac	ctggcccttg	aagatgggca	cctgcacttt	240
tccttcatt	tgtcctggg	acttggtgat	gcaatggtgg	acagatttac	actcagggtt	300
gattttgtgc	acttcccgat	ccatagtga	gtcctcgatg	tctaaatcag	cctggtgaag	360
gatggtgcct	gctggggtct	tgtagatacc	tctggacttt	attctaata	agcagttctc	420
cataatgtca	atacagccca	tgccgtgctt	gcccgtagct	tcgttcaggt	acacgaagag	480
ctccaaggag	gtctggtgag	gtggtgccat	cttgatggtc	actttcacgg	ggaccccttt	540
ttt						543

<210> 5390

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (14)...(339)

<223> similar to gi5360111 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5390

ctgggagaga	taggaagacg	tggatcaaaa	tgctcatgat	ttggaggcca	aagtggcgag	60
cctgagagga	atggagttac	aggggtgcgc	caccactcag	gttgaattac	aagataaccg	120
agaagaacag	aaacaggtgc	gcttaccaca	aagccgcctg	acaccatggg	aggtgcgggt	180
tattggcaaa	gaaaaagaac	aacgtgaccg	ggtgcgactg	agagctctac	aggaattaag	240
tcgaccacta	caaaaacgaa	ctgaaatgga	agaatgtgaa	aaaagaaaga	taattgctga	300
agaaaagcac	aaggaatggc	ttcagaacaa	gattgagtcc	aaaagaatag	aaagagaact	360
ggaaagttaa	atagaaatgg	gggtacaa				388

<210> 5391

<211> 1222

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1047)...(755)

<223> similar to gi415907 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5391

ttgctttgtc	atctgaacca	caaactgtac	ttcttttgcc	tccctatgaa	aatggcttct	60
gccagtagca	ttttctccag	tcatccacag	gtgaagacaa	ggaaattctc	tatcctgagg	120
cccccttttc	cacataatcc	cacccaatg	caaactatth	cctgcaaaca	gataccttca	180
gactgtttcc	cccttcatca	taacgacccc	agacctagaa	atcccagttt	aggcctcagt	240
tgaaacattc	ctcctaccta	taaaaactac	ccgtatgggc	ctcatttcct	catcccacta	300
ggggctctgcc	cttcctaaat	caaaagcaag	tagaagacag	agtaaaatgt	gtaatatataa	360
tttattctgg	gacattttcc	tcattgaaga	tattttaaca	tagattaaaa	tacatcaata	420
tttcatgaaa	aataaattct	agaagaattt	aaataatatc	tgtaatgtac	atgatttgac	480
cctgaatata	cttttttttt	tcacttcaaa	catcattttt	taaaaagtaa	cataaaatga	540
taaggactgc	aacattcttc	atatatcttg	tgtctcataa	attttaattc	aactgcccgt	600
tcttttctca	actatgtatg	ttaatggat	ttgctcctgt	ttttgaatag	gaagagtatc	660
cattttctgt	ttcttcgtga	tatttaggtc	ttctttctct	gattcttcaa	gaaaatgctt	720
cgtgctgagt	ttgaatagta	atcgagggtc	tggattagac	agtgggtggac	aattacacat	780
ctctctaatt	ttgagagcct	gaggatataag	tctatccaag	tactcaactc	gattgccatg	840
agaaggggtg	gtagataacc	attctggcat	cttgggttgg	ccatgcaggc	tatcaacgaa	900
ctccatttgc	tgccaaaaca	ctgaactggc	tcttatgtct	gcacaagcct	ttgcagcaag	960
cagtagtcca	attttgtcag	cttcggcctc	caattttctg	ctgtatggtc	tattaaacat	1020
atactctgc	aatttagact	gtatccactg	gcacaaaagt	gccaagctat	ctcgaggaca	1080
aatggcccaa	atcattgtga	ggaaaatcat	acctaggaaa	tccaacaaat	gaacctgccc	1140
agcctttcct	tctgggccat	gaaatagcac	atgcagtact	tgggcatgct	gcagaaggaa	1200
agaaagttag	tgaatatcgg	tt				1222

<210> 5392

<211> 2038

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (20)...(1179)

<223> similar to gi3882333 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5392

gggccgacca	gcccgggtgga	attcctctgt	caaagccaag	cttacagtaa	atatgcttcc	60
ctcattcacc	aagaccccca	tggatctcac	catccgagct	ggggccatgg	cacgcttgga	120
gtgtgctgct	gtggggcacc	cagcccccca	gatagcctgg	cagaaggatg	ggggcacaga	180
cttcccagct	gcacgggaga	gacgcattgca	tgtgatgccc	gaggatgacg	tgttctttat	240

cgtggatgtg	aagatagagg	acattggggg	atacagctgc	acagctcaga	acagtgcagg	300
aagtattttca	gcaaagtcaa	ctctgactgt	cctagaaaca	ccatcatttt	tgcggccact	360
gttggaccga	actgtaacca	agggagaaac	agccgtccta	cagtgcattg	ctggaggaag	420
ccctccccct	aaactgaact	ggaccaaaaga	tgatagccca	ttggtggtta	ccgagaggca	480
ctttttttgca	gcaggcaatc	agcttctgat	tattgtggac	tcagatgtca	gtgatgctgg	540
gaaatacaca	tgtgagatgt	ctaaccacct	tggcactgag	agaggaaaacg	tgcgcctcag	600
tgtgatcccc	actccaacct	gcgactcccc	tcagatgaca	gccccatcgt	tagacgatga	660
cggatggggc	actgtgggtg	tcgtgatcat	agccgtgggt	tgctgtgtgg	tgggcacgtc	720
actcatgtgg	gtggtcatca	tataccacac	aaggcggagg	aatgaagatt	gcagcattac	780
caacacagat	gagaccaact	tgccagcaga	tattcctagt	tattttgtcat	ctcagggaac	840
gttagctgac	aggcaggatg	ggtacgtgtc	ttcagaaagt	ggaagccacc	accagtttgt	900
cacatcttca	ggtgctggat	ttttcttacc	acaacatgac	agtagtggga	cctgccatat	960
tgacaatagc	agtgaagctg	atgtggaagc	tgccacagat	ctgttccttt	gtccgttttt	1020
gggatccaca	ggccctatgt	atgtgaagg	aaatgtgtat	ggctcagatc	cttttgaaac	1080
atatcataca	ggttgcagtc	ctgacccaag	aacagtttta	atggaccact	atgagcccag	1140
ttacataaag	aaaaaggagt	gctacccatg	ttctcatcct	tcagaagaat	cctgcgaacg	1200
gagcttcagt	aatatatcgt	ggccttcaca	tgtgaggaag	ctacttaaca	ctagttactc	1260
tcacaatgaa	ggacctggaa	tgaaaaatct	gtgtctaaac	aagtcctctt	tagattttag	1320
tgcaaatcca	gagccagcgt	cggttgcctc	gagtaattct	ttcatgggta	cctttggaaa	1380
agctctcagg	agacctcacc	tagatgccta	ttcaagcttt	ggacagccat	cagattgtca	1440
gccaaagacc	ttttatttga	aagctcattc	ttccccagac	ttggactctg	ggtcagagga	1500
agatgggaaa	gaaaggacag	attttcagga	agaaaatcac	atttgtacct	ttaaacagac	1560
tttagaaaac	tacaggactc	caaattttca	gtcttatgac	ttggacacat	agactgaatg	1620
agaccaaagg	aaaagcttaa	catactacct	caagtgaact	tttattttaa	agagagagaa	1680
tcttatgttt	tttaaattga	gttatgaatt	ttaaaaggat	aaaaatgctt	tatttataca	1740
gatgaaccaa	aattacaaaa	agttatgaaa	atttttatac	tgggaatgat	gtcatataa	1800
gaataccttt	ttaaactatt	ttttaacttt	gttttatgca	aaaaagtatc	ttacgtaaat	1860
taatgatata	aatcatgatt	attttatgta	tttttataat	gccagatttc	tttttatgga	1920
aaatgagtta	ctaaagcatt	ttaaataata	cctgccttgt	accatttttt	aaatagaagt	1980
tacttcatta	tattttgcac	attatattta	ataaaatgtg	tcaatttgaa	aaaaaaaa	2038

<210> 5393

<211> 998

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (914)...(168)

<223> similar to gil109828 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5393

tattattagg	tcagaacgaa	tgaagtagca	gcaaaagggt	ctctcctatg	atctgtcttt	60
cactggtcct	cagggcaagg	aggaaacttg	ggcaggagat	gattgctcaa	tcccagcaga	120
ctctcagaat	ctcacttgga	cccgaagtgt	catctgcttg	gtggcattgt	tcttcattcc	180
tgtcttcagc	atccattttg	atttcacctt	ttggacatac	tgcattgtct	gctctcgcat	240
aagagccgct	cctgtgctgc	cagtccatcc	cagggtctct	tactgttgaa	gtactcggcc	300
cacggccttc	cgattttttg	caactgccac	agctcttgac	aagccaaatc	gctgtttgta	360
gtatctcatc	aaggagcgat	gaccactctt	ggcaccagaa	ggcagaatca	attccatggt	420

ttcatcatca	tattccaagt	tcttttctga	gggcaactcc	tcagccttat	tgggggtcctc	480
cccttccttg	tgatctggat	agctactcct	aaaatcatag	aagtctgcaa	attccaaagc	540
agcatcgcca	tctgtgaaga	gcttacagtg	gcttttgtca	ttcatatgtg	cctgtacagc	600
ttctgtggag	tagaaggact	tccctttctc	gttgccaccac	aagcaaactc	tgccaacacc	660
aactttctct	cccaagtatt	taatcagtc	cttaatatct	gaaagatatt	ctatatcagg	720
aataaagaaa	ctgtggtctt	tggtcatgtg	agccacattc	ttcatcagcg	agctggaatg	780
atgggaacaa	aataagcagt	ccgtgatagg	gatggcacca	aggggtgggc	cttcctcagc	840
ctcttcctcc	tctgcactct	gtccaccac	atcgctccatt	gcttcagtat	cctcacattc	900
caattcttca	tcagaatcaa	tatcttccca	atcgctctcca	tccaggctct	cttcctcctc	960
ctcgtgtgct	tcctcctgct	gcttttgcaa	cttcttcg			998

<210> 5394

<211> 2985

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(994)

<223> similar to gi4063614 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5394

gggaaaggtc	caactggccc	accttcaaca	ctccctctaa	gcacccagac	ctctagtggc	60
agctccaccc	tatccaagaa	gaggcctcct	ccccaccac	ccggacacaa	gagaacccta	120
tccgaccctc	ccagcccaact	acctcatggg	ccccaaaca	aaggcgagc	tccttgggggt	180
aacgatgggg	gtccatcctc	ttcaagtaag	actacaaaca	agtttgaggg	actatcccag	240
cagtcgagca	ccagttctgc	aaagactgcc	cttgcccaca	gagttcttcc	taaactacct	300
cagaaagtgg	cactaaggaa	aacagatcat	ctctccctag	acaaagccac	catcccgccc	360
gaaatctttc	agaaatcatc	acagttggca	gagttgccac	aaaagccacc	acctggagac	420
ctgcccccaa	agccacagaa	actggccccc	aagccccaaa	ttggagattt	gccgcctaag	480
ccaggagaac	tgccccccaa	accacagctg	ggggacctgc	cacccaaacc	ccaactctca	540
gacttacctc	ccaaaccaca	gatgaaggac	ctgcccccca	aaccacagct	gggagacctg	600
ctagcaaaat	cccagactgg	agatgtctca	cccaaggctc	agcaaccctc	tgaggtcaca	660
ctgaagtcac	acccattgga	tctatcccca	aatgtgcagt	ccagagacgc	catccaaaag	720
caagcatctg	aagactccaa	cgacctcacg	cctactctgc	cagagacgcc	cgtaccactg	780
cccagaaaaa	tcaatacggg	gaaaaataaa	gtgaggcgag	tgaagaccat	ttatgactgc	840
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tttccagtgt	cctttgttca	tatcctgtct	gactagcaaa	acgcagaacc	ttaagattgt	1020
ccacatcctt	catgcaagac	tgctgccttc	atgtaaccct	gggcacagtg	tgtatatagc	1080
tgctgttaca	gagtaagaaa	ctcatggaag	ggccacctca	ggagggggat	ataatgtgtg	1140
ttgtaaatat	cctgtggttt	tctgccttca	ccagtatgag	ggtagcctcg	gacccggcgc	1200
gccttactgg	tttgccaaag	ccatccttgg	catctagcac	ttacatctct	ctatgctgtt	1260
ctacaagcaa	acaaacaaaa	ataggagtat	aggaactgct	ggctttgcaa	atagaagtgg	1320
tctccagcaa	ccgttgaaag	gcatagaatt	gactctgttc	ctaacaatgc	agtattctca	1380
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tttagctcca	tgacagacca	gcctgtagtt	atctgtgtac	acagtttaca	gctacaaaaa	1500
cctactttgg	tatttattac	agaaaagtgc	tcagttaaat	gtaagtgtta	ttccttcagc	1560
aaaatattca	ctgacccaaa	actctttatg	gcattttaca	atgcacacag	cctcatgcaa	1620

gttttagacaa	gtggatttat	actgtcttat	gagtgcccg	cctgatata	ttacctcatt	1680
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tcaaatttca	ggaaccaagg	actgccagaa	aattattagcc	tctacattac	gcatgcattt	1800
agaagcttac	ctgaaatctg	ccttttataa	aggaatagta	tggataagtg	gaattgtaca	1860
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aatcactggc	tttctcaaga	gtatggattg	acatattgtg	ttatgaatgc	acatctctca	1980
gatgtgttga	agcatccatt	gcattccattt	tttattattt	tcttagtttt	gttcttggac	2040
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tccttactgt	atgtagaatc	caggtgctga	aaccaagtgt	ttcttttccc	atgctctttg	2160
ttaaacccca	attatagata	atttttccag	tcttaagctc	tgtccacctt	caagtcaatt	2220
cataaccaag	tttttgaacg	ctgctatgaa	ttgcactgtg	aaaagcactc	ttccctctca	2280
gttttctttt	catcccagcc	atgtttatca	gatacttaag	aacattgtat	ttcagtcttt	2340
tacatcagtc	tgaatttttg	aaaagaatgc	aatagttgta	ctccacagtc	agtggaaactg	2400
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ggcaacagca	cagaaaacta	atatttttaa	gcagagaatc	ttggcaatga	gtgagagatg	2520
ttaatttcac	agaagcaca	ctcccaacct	aaccttagg	aaaagccctc	ttccatcggt	2580
acagtgtcca	gtgaatatta	atttagttct	gcttaagtgg	ttgctataca	aactttgaat	2640
agccacctaa	taaataaacc	ttgcatgaca	aacctgcaaa	atattttatc	agctgttatt	2700
ggaaagtgat	tttaagcaat	tgttctctca	gtgtcagggc	acatgtgaat	ttccacacca	2760
aacagagcat	gaggaaccag	ttgacatgct	gggttgtgac	tggcagcttt	agcagcctca	2820
gtactgaagc	cacaccagtg	tccggatgga	agtctgcac	tgaggttgct	cagtgtcccg	2880
gtcattcatt	tacacatttt	aacttgcatt	aaagagctgt	tcttttctgt	ggcctagact	2940
cttttcaactg	atctcaaaat	aaactggttt	ttttcaaaaa	aaaaa		2985

<210> 5395

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (725)...(492)

<223> similar to gi4589624 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5395

gccaggaaga	gatacttaag	agttgatata	tacactaaga	aagatgaaaa	gatccagcca	60
tacaactatc	taaggaaaga	tattctcttt	ctatgggcac	aagaagcaca	caaaacaaca	120
ggtctcagtg	tattgtaaac	accatcaaag	acctccacac	cattaggctt	ataatctcac	180
aagcattctg	cctttgtcag	acacttcaca	gggtgcaact	gggttacttt	tgcaggcaaa	240
gcggagattt	tgatttctgt	tgtaaaaagc	ccaacagaga	gaaatcggag	gctttctcat	300
ctctgaccca	tcagtccaat	tcttttgtcg	tcctttatgg	aagtcttttc	tctgttgcag	360
ccactttcag	taattgcaaa	aggaaagaaa	aagtgtctcc	cacaatcctt	ctctgggagt	420
tcatgttttt	ttgctacttg	tcttctgttt	ctgtttgcga	aggtagacct	ctatctcgtg	480
cctgaacacc	agcatgccca	gctggccgtg	ggatgcctcg	ttcatggcct	tggactgcat	540
gcacatcttg	tactgtctcg	gggtcagctc	gtccatgcag	cgcttctcat	gccagagggtg	600
gaagagtcct	cgcacaggcg	tccgtaccac	tatgaggttg	ctgtggagat	acttgcgata	660
aagggtgcaca	tcctctccgc	cccagccttt	gatgtccaga	tcaaacccac	ctgtcgggac	720
agaacacact	gttgaatcac	actgcactga	tctgttttgc	ttccctgagt	tgcaacaagc	780
acaaactttt	cattaagaca	tgactggggg	ggatgcgtgc	ttcaccacca	cccctccaag	840



gtacgagagt	gtccacctgg	gtcagaagcc	ccgagaattc	cccaacaaag	acgactttta	900
tggcagacag	caccgacttc	ttcagatgac	aggacctcca	agaaaattcc	aagcattttgc	960
ctgcattcaa	gagttatcag	caatgcta	gaacagcccc	agcctcgtgg	ttaatgggta	1020
caaaaataag	atctagtatt	cggtagcatt	attactgaca	gacttattgt	gattatgaat	1080
tagctattgt	taacaattta	ttgtatat	aaaaatagct	agaagactga	taaatatgat	1140
aaataattga	aatgatggat	acctcccatg	accctgatgt	gatgattaca	cattgtatgc	1200
ctgtatcaaa	acatcacatg	taccccataa	acatgcgc	aataattaaa	aatagagggt	1260
tcgtaaaa						1268

<210> 5396  
 <211> 1222  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1210)...(447)  
 <223> similar to gi3786433 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5396	
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caatttggat	ttttttccct
tctcactgaa	ataaaaaatac
tgacagtttg	ggcatattcc
aggaggtatc	tgaggagggt
gcgtgcctgg	atgctctaaa
cagacattcc	gagccatctg
gcagtattaa	agaggtagtg
atcccagcca	tatcctcttt
tattccaacc	agttcaactg
agctcagaca	tcagcatttc
tactccaaca	tggaaacagt
cttccagtga	gccgcagata
ttccagtact	gtgatgtgaa
ctctcaa	atg
cagggattca	tgttaccaga
gcagtatacc	atcctacagc
gccacagcca	ttggagtagc
attccattag	gtccatttat
cccacaatgg	agggccttat
atttctcccc	atgtgccgaa
	tt

<210> 5397  
 <211> 399  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (402)...(288)

<223> similar to gi4929667 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5397

ggaaactttt	tcagtattgc	tcttctcttc	tctctcacat	tttccatgat	tgacatctgg	60
taaccacaga	ggtatcccga	gtgaagggtg	ccctggcctg	cagcagctct	gctctttttt	120
ttcccctact	ttcctaaact	ttattaaaga	aaaaagcact	agaacatagt	cacttttctg	180
ggattcctcc	cgcgaaaatg	tgacgtttga	ttttcaaaca	tgccagaagt	ggacatgggt	240
cccagttgta	ctaaataggt	gagaagctga	agtcctaaag	tgttcatctt	ccaacttttc	300
ccagtctgtg	gtctgtcctt	ggatcagtaa	taattgtctg	aacagctact	atggcttcat	360
taatttttgg	ctggagctct	ctgagctctt	ctatatgcg			399

<210> 5398

<211> 2951

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(2954)

<223> similar to gi1510155 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5398

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ctgaacagac	attggcagaa	gaggcatatt	tggatgccag	tataggttca	agccaacagt	120
ttgcacaagc	tcagcttcat	ccttcttcat	cagcctcctt	tactcaggct	tctaattgtt	180
ctaattactc	aggtcagacg	ctgcagccta	taggggtgac	gcatgtgcct	ggtggagcat	240
cgtttgcaag	caatacagtg	ggtgtacaac	atggctttat	gcaacatgtg	gggatcagtg	300
ttcccagcca	gcatttgtct	aatagcagtc	agattagtgg	ttctggtcaa	atacagttaa	360
ttgggtcatt	tggtaatcat	ccttccatga	tgactattaa	taacctagat	ggatctcaaa	420
tcatattaaa	gggcagcggg	cagcaagccc	catcaaattg	gagtggaggg	ctcctgggtc	480
atagacagac	tcctaattgg	aactccttgt	ttgggaactc	tagttccagt	ccagtagcac	540
agcctgttac	cgttccattt	aacagcacaa	atcttcaaac	atctttacct	gtgcataaca	600
tcatcataca	aaggggtctt	gcaccaaatt	caaataaagt	cccaattaat	atacagccaa	660
agcctatcca	gatgggtcag	caaaatacat	acaatgtgaa	caatttggga	attcagcagc	720
accacgtaca	acaagggatc	tcttttgctt	ctgcaagctc	accccagggc	tcagtagttg	780
gtccacacat	gtctgtgaac	attgtaaacc	aacagaacac	aagaaagcca	gtcacctcac	840
aggcagtgag	cagcactggg	ggcagtattg	ttattcattc	ccccatgggc	caacctcacg	900
caccccaaag	tcagttcctt	atacctacaa	gcctttctgt	cagttccaac	tcggtacacc	960
acgtccagac	tataaatggg	caacttcttc	aaactcaacc	ctctcagctc	atttctggcc	1020
aagtggcctc	agagcatgtc	atgttgaaca	gaaactcttc	caacatgctc	aggaccaacc	1080

aaccatatac	tggaccgatg	cttaacaacc	agaatactgc	tgtccactta	gtgtctgggc	1140
agacatttgc	tgcctctgga	agtccagtga	tagccaatca	tgcctctcct	cagcttgtgg	1200
gtggacagat	gcccttgcag	caggcatccc	caactgtatt	acacctgtca	cctgggcaga	1260
gcagcgtttc	ccaaggaaga	cctggcttcg	ccacctgcc	atcggtgaca	agcatgtcag	1320
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ctggccatcc	agctgtgcag	gtggagagtc	attcgaggag	acaaaaaagg	cctgctgcga	1800
aacagctaac	gaaaggagct	ttcattctcc	agcagttgca	gagggacca	gcccacactg	1860
tgacaccaga	caaaagtcac	ttccgatcac	taagtgatgc	ggtacagaga	ctgctctcct	1920
accacgtgtg	ccagggctcc	atgcccactg	aagaagactt	gagaaaagtg	gacaatgaat	1980
ttgagacagt	tgccactcag	ctcctaaaaa	ggacccaagc	tatgcttaac	aaatacagat	2040
gcctgtctct	agaagatgcc	atgcgaatca	atccccctgc	tgagatggtg	atgatcgata	2100
ggatgttcaa	ccaggaggaa	agagcttccc	tgtcccgaga	caagcgtttg	gcacttgtag	2160
accctgaggg	ttttcagggt	gatttctggt	gttcccttcaa	acttgataaa	gctgctcatg	2220
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cagccaaggc	ccaaggcaga	gaccgagcca	aaaccggtgt	gacggaaccc	atgaatcatg	2340
accagtttca	tctagtgcct	aatcacatcg	tggctctctg	agaaggaaac	atttctaaaa	2400
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gcacgtctga	agagaaggcc	agccggagag	agcctctgaa	ggccagtcag	tgctctcccg	2520
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tagatttccc	caacttttct	cctatggctt	cacaggaaaa	ctgcctggaa	aagttcatcc	2880
cggaccacag	tgaaggtggt	gtagaaaactg	actccatttt	agaagcagct	gtaaatagta	2940
tcttagagtg	t					2951

<210> 5399

<211> 1450

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1232)...(793)

<223> similar to gi5737842 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5399

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ccctttttatg	tcaccactca	tttaaaaggc	cattccaaaa	cattaccatt	aatgtagtag	120
cccatgtttt	ctttcaggca	ttttcaaagg	gcatctcaga	cccacaatat	tttctattga	180
gtgtgcagaa	aaacagagct	gcaaaatcat	tagtaaggca	aaataataaa	atgtctccct	240
ttttattgaa	acatcaattt	tccatgtttt	agagatattc	tgaatttaac	attcatagat	300

atgcaatatt	taagtttttag	gatattagca	tactatcagc	aatattgggt	ttaatagcta	360
ctatcaagca	actgatttct	aatgcacaca	acataatttg	atagtatatg	tataagaaga	420
tggcctgaat	tttgcctca	aatgcacaaa	aagaattttc	catacacatt	ctcaaaagtc	480
tttggccttg	ctgaataata	atagagctgt	tattttactg	tgaagcaaaa	taagccttca	540
agtgtccctt	acttgatctt	agaagggtcaa	attctctgtc	caatagttcc	tcttctgtta	600
acttagagaa	attatcctct	ccaaaaggat	tccaccctga	catatcaggt	ggattgctga	660
tgttcttctg	atttgtgaaa	tttgcaatgg	cctctttatc	agcaactgac	ctattggcac	720
tataggagga	gtccattatg	gttccaacct	gagctggaag	tgatgaagtg	taggaaacta	780
aggctggtga	gaactcttga	ggggaggtaa	gatattcagg	tgatgcctgt	tgttgagacg	840
gctgatgttg	agctagcatc	tgtgttgtaa	agaaagcctg	ctgatactgc	ggcatcattg	900
taggatactg	tgatgcagaa	ggttgtgggt	gatataccga	atgcattaaa	aattgttggt	960
gaagcatctg	ttgctgctgt	gttgcatggt	gatactgctg	catataagca	tcttgaagta	1020
ggtggtggtg	gtggtggtgg	tgggtgctgt	gctgctgctg	ctgctgctgc	tgttgctggt	1080
gctgctgctg	ctgttgctgt	tgtgctgctg	gctgctgctg	ctgctggtga	ggatgacgat	1140
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gctgctgtgg	cggctgctga	ggagggtccct	gacccaataa	aatttcaggg	ccatttccag	1260
gtcttagtgc	cccttttggt	ctatggttac	cgaattcacc	aggagcaagg	actttaacag	1320
gtgttgctga	actttgaatg	gtcagcacac	tgggagtggc	agtagtagca	gagttggcct	1380
ttggtctttg	tcttggtgca	attgaggtat	atgttggtca	aatggtatct	gttattctgg	1440
cttttatttg						1450

<210> 5400

<211> 5931

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(1155)

<223> similar to gil665787 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5400

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ttaaaggaga	agcccccgcg	aaatcctcca	cactccgaga	tgaggaggag	ctggggatgg	180
cgtcggccga	aacgctgacc	gtgtttctga	agctgctggc	cgccggcttt	tacggcgtga	240
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cactatgtgt	tggacttggc	cagatgggtg	ccacagtggc	agttctctgg	gtgggaaagg	360
cgtcagagt	agtcaagttt	cctgaccttg	acagaaatgt	acctcgaaag	acgtttccac	420
tacctctact	atatttttggg	aaccaaatca	cgggactggt	cagcacaaag	aaactgaact	480
tgccaatggt	tacagttctg	agaaggttct	ccatcctggt	tacaatgttt	gctgaaggag	540
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agaatatatt	aataacttat	attggaatgg	tctttgggtg	agattatatt	ttcacgtgga	1020

caaacttcat	tggttttaa	atcagcattg	ctgggagcct	ggtatatattcc	tatatcactt	1080
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caaggagtgt	gtaattcttt	agccagatat	ggaaacctgg	acctgagtg	ggagaaagga	4500
gacagatgaa	aggagtcctg	gattttgtaa	ccaagagctg	cctgcatggt	tatgagtatc	4560
actgatttta	gggacgcccc	acagagctaa	agcatttttt	ttaatccgag	aggacttttg	4620
taactcatat	tagttaatct	tctagctctg	agatagcaac	acagctctta	gaattctgta	4680
agtagcttga	ggcctcctcc	tctactgtac	atgttcttgc	tttcccaaaa	ttgtaagttt	4740
ggtttttctt	atgaacaaga	ctgtaattga	tttttctctc	cctgaggaaa	aaagtctgga	4800
ataaatgaga	catggatatg	aaactactta	gcacaatgcc	tggtagatat	taggcctcca	4860
gcaaatgtgg	ctaccgtgtc	attatttcat	ggtagagactc	aaggcaaac	aagattctta	4920
atztatgtct	cgtaaatgct	agaggcttgg	gcaatacggg	ctgtcctgaa	aaacaggact	4980
ctgtgtctca	ttgcctctag	aatccttagg	tagcagtttc	tgttcactgt	cttttctttt	5040
ttaaaaatat	ctgctggaca	caattacggc	cattacatga	tgcaggtgat	tctacctatt	5100
ttttaaaaag	aacaaaattt	cttttatatt	gtgacagtac	attttaataa	aggaaaatta	5160
ttttcttccc	cctactcccc	ctcctttttt	ttttctggta	aagacagggg	ctcactctgt	5220
tgccagactg	gtctcaaact	cctggcctca	agtaaccctt	ctgtctcagc	ctcccaaagt	5280
gctgggatta	caggtgtgtg	ccacatgtcc	ggccaggaaa	attattttct	atcttaaaga	5340
aacatagtta	cattttagaa	tgtcaattca	gttaaattct	tctcagtttt	tacctttaga	5400
tggctcctgg	aaaggccagc	gttccttttc	ccctctctga	attgaaagca	cttgacccca	5460
tgctgcccc	gcttccaggc	ctgtctcagt	tgtcatatat	tgtgagtcce	tggcaccatt	5520
actgttttct	aagccagtct	tctaggtctt	actttcagga	tgctgcttca	tggcatgagg	5580
atatagttta	cagtgttgta	gttttttttt	ttttaagct	ttgttcttta	aaaatacttt	5640
ttaaaaaaa	atctactggg	taaatttatt	gtctcacaaa	aatgttttta	gaagattatt	5700
tttttccaca	aatgttttcc	tttcctcatg	ctgatgatca	actgattttt	gtcctacagg	5760
tggtagctt	ctcacgagta	tttttttcat	tttttagagtc	tatttaccaa	atgaccattt	5820
ttagtgtaa	aaggtactga	ggaattgagg	tatgtaaatc	aggtgacata	aacatgaaaa	5880
ttatgtgcct	aaatattttt	gtaatggtgt	aaaataaata	ctttttctg	a	5931

<210> 5401

<211> 1198

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (118)...(719)

<223> similar to gi3878412 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5401

gtcatttgca	agggttttct	cgctcctgtgc	tcgtctcttg	atctgactac	cctggctcct	60
gagcgtcaag	tggaccaggg	caggggtttt	gagagcatcc	tggatgtcct	ctctgtcatg	120
tacatcaacg	cccagctgcc	tcgggagcag	cggcaccgct	ggcgctgct	cttttctgtc	180
gagctccatg	gacacagctt	ctcccagctc	tgtggccaca	tactcaccg	ggggcctgt	240
gtggctgtcc	tcgaggacca	tgacaagcat	gtgttcgggtg	ggtttgcttc	ttgtcttgg	300
gaggtgaagc	ctcagtttca	aggggacaat	agatgcttcc	tgttctccat	ctgccccagc	360
atggctgtgt	acacacacac	gggctacaac	gaccactaca	tgtacttgaa	ccatggacag	420
cagacgatcc	cgaacggact	gggtatgggg	gggcagcaca	attactttgg	gctttgggtg	480
gatgttgatt	ttgggaaagg	acacagcaga	gccaagccca	cgtgcaccac	gtacaacagc	540
ccgcagctgt	cggctcagga	gaacttccag	tttgataaga	tggaggtgtg	ggcggttggg	600
gaccctcag	aggagcagtt	ggccaagggc	aacaagagca	tcctggatgc	ggaccctgag	660
gcccgagccc	tgctggagat	cagcgggcat	tcgcgccaca	gcgaagggtc	ccgggaagtc	720

ccggacgatg	aatgaggagc	cgccctgagcc	ttcctggagc	caggacctgg	attcctctgg	780
gtagagggca	ccgcctgcag	ccccctctcc	ctcccacatg	gtttaactgt	aatagcgtac	840
cgcacgggtc	acagcctggg	agtcccacat	gtgccaagaa	gacgccctct	gaagccatgt	900
cctgactcat	gggtggatct	cccagaaata	gatgtttttt	aagttttctt	ttttgcccta	960
cagggtcacc	ctcaggatct	ctccaagaaa	tcttgtgtca	aattagtaac	tcagtcttat	1020
actttgttct	tttttaccaa	cgaaatccta	agcagctgag	acctttcaga	cccccgctgg	1080
cattagggaa	ttccgctggc	attaggggaat	tccgctggca	ttagcattgc	tgggatctca	1140
acttctctat	tgaagagggg	gttccctccc	ctgggggttca	tatggcctca	ctcacgcc	1198

<210> 5402

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (289)...(433)

<223> similar to gi4587207 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5402

gatcaaggaa	ggactcacccg	taatcacttg	cttaaaaaaga	acacttaagc	aaggactgaa	60
agggagttaa	gatgtgagac	aaataggtat	ctggaggagg	agcgttccag	ccaaggaaat	120
gcccagtgtc	ttggactcat	ggcagaaatg	tacttgagta	ttctaggacc	aactgggaag	180
cccatggaag	ccagagtggg	ggtcgggggag	ggagcaggag	gacacagagc	caaagccttt	240
ctgaaccaag	agggacagga	attgggtgac	cgtaataaac	ttgtaatttt	ctgcctccag	300
gattcagagt	ttggttggag	aaatgtcttc	ttgctttcag	ctgctgttaa	catatcgggc	360
ctggttttct	acctcatctt	tggccgagca	gatgtgcagg	actgggctaa	agagcagaca	420
ttcaccacc	tctgagcaaa	ccgagagatg	tgctagatcc	tggtgcttag	ttcatcattg	480
ttttccctca	cagacatttc	tctttcatgc	ctgcttgact	gataagccat	tagctagacc	540
ctgactatgt	aacgctaaag	attttaccat	gcctggaaat	tttacagggg	aagaaaacac	600
gctagttatt	taactgcaag	ctactaaaag	cataggtgtg	ttgag		645

<210> 5403

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (273)...(349)

<223> similar to gi5102894 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5403

gtcactcttt	ttgtttctggc	gtgtcatgtg	gtacttttagg	tagcttcaca	ttttatgttc	60
tagttaagta	aaattcttag	agaatgaggt	actatctctg	gatagtctgt	ttgatcttga	120
aaatgtacag	aattctttgc	ctcttgatcc	tggaggacta	gtgactttcc	agctctgaga	180
gagaacagga	tccctctgcc	aatttttttc	tgtggtgtaa	ggcagagcct	ggtcactcca	240
tctaatgctg	tctatctcat	ctcacgtata	ggagcgggat	gctgcactcc	aacctggggg	300
actatgcctg	gggtcagaca	gggcttgatg	ccattgtaac	ccagggtgag	gagctgcctt	360
ttgagggtgt	ctgttcagtg	tgtctcatgg	ttccacaggc	ttcctgcttt	ccttctgcta	420
ctttctgaaa	tggcagtcac	tctgctttct	ctaataat	gagctttggg	gtttccattt	480
tactaaaggg	atgaatgatt	tatggggtta	gctcagcatc	catgcacttc	ctaggtctga	540
gggaatttct	agaagatggg	ttcacctcca	taggaagaaa	agacttctat	aacaaatagt	600
attttgtatt	tttgtctctc	ttgctcagtt	ctataaggat	tctattaaca	aatatttcac	660
aaaaaaagga	gggtttcctc	acatgttgaa	gcagggattt	ctgctagatg	gagcaaagta	720
ggggaaggaa	gcagagaaaa	aagta				745

<210> 5404

<211> 3043

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)...(3045)

<223> similar to gi4589634 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5404

gaggaggagc	tggagggggc	gcggcttctt	ctcggtcgtt	ccctggcgcc	gggcctcttt	60
ctctgcctgg	cccagggtct	gcggccggcg	ggggctcgcg	cggcggcagt	gggggcgctg	120
gcgggcgcgc	ggtggcgggg	gccgggcgcg	ggctccgggt	gttaggagac	aagatggcgg	180
cggctctcag	aaggccggtc	tctctctctc	cgcgcctctc	cgcgccgcgc	ctcgccgcct	240
cctcctctcg	ggtctctctc	tctctgtttg	ctgcctctct	ctcctcctgc	agcagcacca	300
gcgaccgcgc	aagcgccggc	tcgctcacc	ggagctccgc	aggtggatag	acggggcagc	360
tgcaggctcc	ggcgaccgag	gccgagctgg	ggccggggcg	gggacggcgc	cggcgccggc	420
ggcgacggcg	gcggcgccgc	gtggggatgg	ggtcgcagac	gctgcagatc	ctccgacagg	480
gggtgtgggc	cgcgctcagc	gggggctggt	actacgaccc	gcaccaggcc	accttcgtga	540
acgcgctgca	cctctacctg	tggctcttct	gctgggccta	cccttcaccc	tctacatggc	600
ccttccttct	accatgatta	tagtagcagt	ttattgtcct	gtgatatctg	ctgttttcat	660
tgttctgaag	atggtcaact	atcgactaca	cagagcactt	gatgctggag	aagtgttaga	720
taggactgca	aatgagttca	cggatcagcg	aaccaaagct	gaacaaggca	actgttcaac	780
caggagaaaa	gacagcaatg	gaccgagtga	tcctgggtgga	gggattgaaa	tgtctgagtt	840
catccgagag	gccacacccc	cagttgggtg	cagttccaga	aattcttatg	ccggtctaga	900
tccaagcaac	cagattggat	ctggttctct	gcgtcttgga	acagcagcaa	ctattaaagg	960
agatacagac	actgctaaga	cttctgatga	tatcagttta	agtctgggccc	aaagttctag	1020
tctttgtaag	gaaggaagtg	aagaacaaga	tttggcagct	gatcggaagc	tctttcgtct	1080
tgtctccaat	gactccttca	tctctattca	gccttcttta	tcctcttctg	gacaggactt	1140
gccaaaggac	ttcagtgaca	aagtgaacct	gccaaagtc	aaccaccacc	accatgttga	1200
tcagtctctg	tccagcgctt	gtgacacaga	agtagcttct	cttgtacctt	tacactcaca	1260
ctcttataga	aaagaccacc	ggccgcgagg	tgtaccacgg	acttctagct	ctgctgtggc	1320



ttttccagac	acttcaactga	atgattttcc	cctttatcag	caaagacgtg	gattagatcc	1380
agttagttag	ttagaatctt	ccaagcctct	ttctggatcc	aaagaatcct	tggtggaaaa	1440
ttctggttta	tctggggaat	ttcagcttgc	tggtgacttg	aaaatcaata	cttctcagcc	1500
acccacaaaa	agtgggaaga	gcaaaccctt	gaaagcagag	aaaagcatgg	acagcttgag	1560
gagcctgagc	acacggagta	gtgggtcaac	agaaagctac	tgcagtggaa	cggaccggga	1620
cactaacagt	actgtcagca	gtataaaaag	tgagcagacc	agctcaactc	acatagagag	1680
catcctgtca	gagcatgagg	agtctcctaa	agcaggaaca	aaaagtggga	ggaagaaaga	1740
gtgctgtgca	ggcccagagg	agaagaatag	ctgtgccagt	gacaaaagga	ctagcagtga	1800
aaagattgct	atggaagcga	gtaccaacag	tggtgttcac	gaggccaagg	acccaccccc	1860
ctctgatgag	atgcacaacc	agagagggtc	cagcacctct	gcatctgaag	aagccaataa	1920
aaatcccat	gcaaatgaat	ttacttccca	aggggacaga	ccacctggga	acactgcaga	1980
aaacaaagaa	gagaagagt	ataagtcagc	tgtttctgtg	gattccaaag	tgcgtaaaga	2040
tggtggtgga	aagcaaaagg	aaggggatgt	tcgacctaaa	tcttctagcg	taatccatcg	2100
gacagcttct	gcccacaagt	caggcaggag	acgcacagga	aaaaaacggg	ctagcagttt	2160
tgattcaagc	cggcataggg	actatgtttg	ctttcgaggt	gtttctggta	ccaagccaca	2220
cagtgtctata	ttttgtcatg	acgaagactc	tagtgatcag	agtgacttga	gtagagcatc	2280
aagtgttcag	tctgtccacc	agttcagcag	tgatagctct	tctagcacca	cttctcattc	2340
ctgtcagtct	cctgagggca	gatacagtgc	tctaaagacc	aaacacactc	ataaagaaag	2400
gggcacagac	tctgaacaca	cacacaaagc	tcatttggtt	cctgaaggaa	ccagcaaaaa	2460
gcgtgcaaca	cgacggactt	ctagcacaaa	tagtgccaag	actcgtgcc	gagtgttgag	2520
cctggacagt	ggcacagtag	catgtttgaa	tgactcaaac	aggttaatgg	cacctgaaag	2580
tataaagccc	ttaaccactt	caaaatcaga	tcttgaggcc	aaagagggag	aggtgctaga	2640
tgagctatct	ttattaggac	gggcttccca	gttagagaca	gtcactcgat	ctaggaatag	2700
cttgccaaac	caggttgcat	ttcctgaagg	ggaagagcaa	gatgcagtca	gtggagcagc	2760
acaagccagc	gaggaggcag	tgtcatttcg	ccgtgaacgc	agcacattta	ggcgccaggc	2820
agtagggcgc	cggcacaatg	cagggagtaa	ccctaccctc	cctacattgc	tcacggtatc	2880
acccttaagc	cttcaagatg	gtcagcaagg	ccagcagtc	acagcccagg	tcaaagtcca	2940
gtcccgcgcc	ccttcccagg	ctgcagtgtc	cagtgtcagt	gcctccttgc	tggttaagttc	3000
tcttctacgc	tgtatgagac	tggtggctgt	gatatgtcac	ttg		3043

<210> 5405

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(464)

<223> similar to gi854737 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5405

acccaaaagga	atactcccat	tgaagctctc	tgtgagaact	ttccagagga	gatggcaacc	60
taccttcgat	atgtcaggcg	actggacttc	tttgaaaaac	ctgattatga	gtattttacgg	120
accctcttca	cagacctctt	tgaaaagaaa	ggctacacct	ttgactatgc	ctatgattgg	180
gttgggagac	ctatttctac	tccagtaggg	tcagttcacg	tagattctgg	tgcattctgca	240
ataactcgag	aaagccacac	acatagggat	cggccatcac	aacagcagcc	tcttcgaaat	300
caggtggtta	gctcaaccaa	tggagagctg	aatgttgatg	atccccaggg	agcccaactcc	360
aatgcaccaa	tcacagctca	tgccgaggtg	gaggtagtgg	aggaagctaa	gtgctgctgt	420
ttctttaaga	ggaaaaggaa	gaagactgct	cagcgccaca	agtgacccag	tgcttcccag	480

gagtcctcag	gccctgggga	ctctgactca	attgtacctg	cagctcctgc	cattttctcat	540
tggaagggac	tcctcttttg	gggaggggtg	atatccaaac	taaaaagaag	aaaacagatg	600
ccccagaag	gggccagtgc	gggcagccag	ggcctagtgg	gtcattggcc	atctccgcct	660
gcctaaggct	ctgagcaggt	cccagagctg	ctgttcctcc	actgcttgcc	catagggctg	720
cctggttgac	tctccttccc	attgtttaca	gtgaaggctg	tcattcaca		769

<210> 5406  
 <211> 933  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(301)  
 <223> similar to gi4868443 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5406						
accatcagca	gtgacacgga	cgaggaggag	gaacagaaac	acgccccccac	cagcactgtc	60
tccaagcaaa	gaaaaaacgt	catcagctgt	gtcacagtcc	acgactcccc	ctactccgac	120
tcctccagca	acaccagccc	ctactccgtg	cagcagcgtg	ctgggcacaa	caatgccaat	180
gcctttgaca	ccaaggggag	cctggagaat	cactgcacgg	ggaacccccg	aaccatcatc	240
gtgccacccc	tgaaaaccca	ggccagcgaa	gtattggtgg	agtgtgatag	cctgggtgcca	300
ggtaatttgg	ggccaggaca	gggcaggaac	ctctccctgg	agagtggttt	tcctgctttt	360
ctgctgctag	aaatgttgct	gtatgggagc	tagtacaata	gaaagtgccc	agtgactgca	420
ggcgaccctt	accgaggatt	ttattcaagt	atccagggga	ggcttctgct	gaacagcaca	480
ttgtataagc	agcgttttcc	ttctttaatc	ctgtaatcaa	tacctctctg	cctttacaat	540
ggctctgctt	ccaactaggt	tgattaatag	aaaataaaaag	cctcctgggt	ctttatgcct	600
gagcctggaa	gaatacctgg	tctggggaat	tcctggctga	catctagcac	cactctctgc	660
caggaagccc	tggtggtcag	atgggcttct	tgtgtaggaa	gaacctcctc	cgagtcttgc	720
tagggaaggg	tgaattggc	ccctctcagc	ccctcctcgg	aatcagctgc	tgggcggcga	780
gaccaagcca	tgtgtgtttc	tctgctcatg	cactgctatc	ttcagaggac	tcctcctgtc	840
ccgcgaaggc	ttgtcttgaa	aattgggccc	tgggaataaag	gctgagaacg	taaccttctg	900
aataaactca	gtggctcact	gtaaaaaaa	aaa			933

<210> 5407  
 <211> 312  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)...(236)  
 <223> similar to gi1787326 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 5407
taccggttaag gactgcaacc cgcagcccg ctaactgcctg aaagatcaat acgtcttacg      60
ccattgctgc gtggatgac ggtcgggcaa aatgggttat tccgtaaaaat ttcttggttt      120
aacaaggatg gacacggaaa cggcctcatt attccactgc aagccttggt atagcaagat      180
gacttttacc atttatcacc cgcttactca cagttttttc acttcttgct ggtgattggt      240
ttaataacca tcaataaagt gatcacgcag tgaagtaata aggtgcacaaa gtaaatataa      300
gcatagaaaa at                                     312

```

```

<210> 5408
<211> 788
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (738)...(133)
<223> similar to gi2293468 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5408
tttttttttt ttttaaagg t aagagcactt tattcttatt tgaaccacac tgtattgttg      60
attaccgagt gtgaaggtag tatgttcaga gtcttggttt atgcctttgt agctgtgttg      120
ccagcatttg aaggtaactc ctccacataa gcggcaggaa aatggccttt ttccccattc      180
aaagatccaa accaccatcc ttcttctttt ttctcgtgta taatcacaat gtcacccttt      240
tccaaattca actcatcatc ttgcttggtc tgaaaagaat acaaggcctt gcaaagtctg      300
ctgctgagct gggctgcacc aggggctgga gttgaagaac ctggattgct ctgcccacca      360
gaagatgcct tgctcacaat attctctaatt ctcttcatta aaaaaggccg agatattttc      420
acatagctat gagtatgctc cttttccctc cacctgaaga tgggaattact acaaggatgg      480
ctgggttgag gtctttgctc aagttctgct aacattgatg acagtttgta ggagttcgct      540
tccaaaagg ttagtttcaa attgttctca tccattaacg ctgctgtgct tttctggctc      600
tttgcacag agaaggagga ggtgctggag tacgttttaa gcattcgctc caggccttcc      660
ttgtcttttg aggtttttc aatgtctctc tgcagtctca ataatttttg ttttagtaaa      720
gactttcgct tctctttatc cattgcactg ttaggatctt cttcaaagta atccgttaac      780
aggaactc                                     788

```

```

<210> 5409
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(416)

```

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (2)...(180)

<223> similar to gil419564 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5409

ctcagcttat	gaaggcctca	caagctctgg	ctttaacaat	ggcctgggct	ccagctgtgg	60
ctttggcagg	gcctctggct	tcttcagctg	taccagctcc	tatagggcc	tggttgtag	120
gaagatcaag	acctatgatg	ggaagccaat	gttcgagctc	tctgatgcac	tgcccaagt	180
aatggctgta	gcagccctc	ccaacctccc	cttctgtgg	ctgccccaga	gcctgtgagg	240
gatgctgcag	tacaggggag	cataggggaa	aggagatcca	tctgaggctc	atccttacc	300
ctcagccac	ccttgtnnga	aggtttttatt	tgcatggagt	accccantt	tgccattgc	360
ccccaacaaa	tttattttgt	atTTTTTccc	aaaattaaaa	ggncttcagt	ttagg	415

<210> 5410

<211> 957

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (958)...(448)

<223> similar to gil79475 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5410

ttaagtaaca	aattattgaaa	aatttcattt	gtacagttta	tggtttttaa	gaaaccatcc	60
tgaataagct	caagttatag	ctaccagtta	tgaatttata	aagtttatcg	tgacctttat	120
tataattaat	atttgtatta	atcatcacat	attattatat	ataagatata	aatttaatat	180
aactatctgg	taattatacc	tatgtttact	aacaatttta	caactgctgg	ctgcagcggt	240
cgcacgcaca	ttcattttatt	attacatttc	ccatttttga	aaatgttttag	aggaacttcc	300
cttccaattt	gtcagggtgtg	accccatgac	ttgcatgtct	ctggggacac	tctgggaaga	360
tgtcttcata	gataagagct	cagataaaca	tgagacagaa	cagtcccaaa	atccctcagc	420
atgccccagc	cctcagggga	gttctactt	gtttatgaat	ctgtccatat	tatagctcgt	480
tgagtagaga	aattccagga	tcttctgca	tggatttctg	atcagaagag	tggtccagag	540
tgagctgtca	taatacactt	cttcttggcg	cagagctccc	cctttgatga	tctccagggc	600
acattcctcc	tttgaggctg	cttgcataat	gactatccca	gaaactgcct	tcattggtgt	660
ttctgtgtct	atgaggccaa	gaacacagag	agtgattgat	acattgacct	tggacactga	720
atattccttt	ctgatggagg	agaagaaccc	atccaaagca	aacttgcttg	cagaataggc	780
agcaaccatt	ggataagcca	cttcccagc	cagagaggag	acgacaacaa	tgttccatt	840
gctctgcttc	agcatgggca	aggcagctac	agtcaggacc	acgtaactga	ggaagttgac	900
ttccatgctt	ttgcgcacat	ggtgaatatc	atcatgaaaa	agattcaaag	aagtgtt	957

<210> 5411  
 <211> 1316  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1317)...(22)  
 <223> similar to gi5924316 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5411

aaaaagacaa	aagcaagtat	ttatgaaagt	ccatcagatt	cctcagtaaa	gctgaagtca	60
cacactagag	acaggtgggc	tgaaggataa	ttgaagggaag	gtaacctgtt	gggtccaatc	120
tggttttcag	tgagcagatc	gagagctgac	cttacattta	gagcatgttt	agaataccag	180
atgtaatcca	gggtgtgcct	gcactccctt	gaggtccgga	tcttcagggt	agtgtatggg	240
ggttctgact	gccccatcagc	actcagcagc	ttgtaggcgc	tggttcagggt	gaggctggag	300
gaagcaaagt	gtttgtagac	ctcttctgtt	ggctctgcat	tgaagtcccc	acacacaata	360
aggggaatct	tggtctcctt	ggtgatgttt	tgcaggttct	gaaggagggtc	acagccttga	420
gctgatcgaa	accgctccca	gccagtgcgt	gcttttagat	gggtaacagc	gatgcagaac	480
tgtcggcctg	actccttgca	ctccagggtc	tgtgcaatgg	ccacctgggt	ggttttcaat	540
gtcatggctg	tcagcctaata	attggcactg	ttgactagct	tgaatcggtt	ttgaagaaaa	600
aataaggcac	aaccatctgg	tccattgttg	tggtctacat	ctagacaagg	tgaccagggt	660
ttggggaaaa	acgtgccttg	atagcctagt	ctactgagga	gtggctggaa	ggtgtcaaaa	720
tagtgggtcca	cctcttgagg	gcacaatata	tcaggctggg	aggccaggat	ttcttccagg	780
atgagacatt	tcctttcttc	ccatttgagt	gcttcaacag	ggcactgtac	aaagtgtgtc	840
ttgccttctc	caagagcttg	ggcgaggatg	ttccattgca	taacctgat	aggtgggtgg	900
gtactagggc	aatctgtcct	cagatccaca	aaatccctct	ggaaccgggg	aggtcgggtg	960
tgcaggacgg	ccctgcattc	ctcaagaagc	tctttaggat	caatgggctc	cagatgctct	1020
gggtcagggtg	acaccaaata	ctctgggtgc	tgggaggcag	cgctgctgtt	cagtgtcttg	1080
gcgagaccac	tatagagtct	gcttgtaccg	gttcccatgg	aacacactgt	tcgggaacac	1140
gacctcgcg	cgcccgaggc	cgccgaggcc	gccgccagca	gccgggggga	tgcgggcctg	1200
ggaacagcag	ccggcgggga	caacgggcgg	cgcagccctg	gggcgggcag	gcggcgagg	1260
ccgggcgcgc	ccctctgcag	cagggccgag	cagagccgcc	gcggactatg	aaacat	1316

<210> 5412  
 <211> 1382  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1231)...(296)  
 <223> similar to gi3882239 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 5412
tttttttttt ttaaaaatca ctgtcaattt tactaggatt tagaatataa aacctttaca      60
tctctttttac aataaagaga atttagagct cacttgtcag gaaaatattt ttcattatta     120
aaaaaaattg ttataaagtt atttcttctg atatggagtt tcaaagcatc taacataacc     180
gcttcagaat ctccacagtg caaaaataaa caacatgcat acacttaaga actttacatt     240
ctttgaaaaa caatacaaat tggaaagaaa attagtatgt gatcaaagag agtcagagct     300
caagtctgaa ctttgccaat aaaggcagat gatctgaaga gttattttcg tttggaagtc     360
cattaacagt ccataagttc tgttctgtaa gaagtgcagc tctagctaga agtttcaagc     420
caccaaccaa agcaacttca gctcctgggt gccagcaac atcttctttt tctgcagagt     480
agaaaatata atccacagtt atggcacttc gggaaatgaca ggtgggtcact tctggaattc     540
cagtgtcagg aaagtaattg gaataaacag atgacaaact gaaatgggtgc tgtaaatttg     600
aagacaattt ttcagctgtc actaggacct ctgtttgctt cagctgtgtt tgtgtcagat     660
cactgtctgt cttttctact tttggtacct gctgtacctc atacacacag ttctgtgaga     720
tacctaggtt tgggggccaa attggaatag ataaaattct ttgtccccgt gaagactggt     780
cctggccaga tacctttcct atgggaagtc cttcataatt caattttcct tcctttatga     840
aactatatag tggagaacca ggaacagaat taaagtcacc acacataaca atagggcaga     900
agctgccatc tttctgggtg gcaacactgg aaatctctgc cagtagcatt gccaatgctg     960
tcagcttaat atcacctcgc cttggattat acaacagatg cgtattttgt acgcagattg    1020
cagggcaggc agcatatgga attttgggct gtaagagtaa aactaatcca acattgtctc    1080
tgtccaacag agaaatatca gggcggaaga attccactgg gttcactgac aagagtgaag    1140
atltggaatg tttgaagcaa atagcacagc catcagggtt ccttctctgc cgcattctat    1200
attcacagtg ataacctaca agaaacaaat gaatttaaaa caaatgactg cttttatata    1260
tttatcaaaa cacagctcac gtgatacttc tgaacaatgt ttaccaaaact gtattctgca    1320
aaacattagt aatgtaggat gtcaataaac attggaataa aaaacggttg acactgggtc    1380
ta

```

<210> 5413

<211> 3450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3451)...(1345)

<223> similar to gi899298 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5413
caggggtggtg aactaaaaaa gctggttcct gtgaaccttg ggaaatggtc tcaccctctt      60
gagccctgga gatgacctga tggggcagct aggaggtcca aatggaagga ctgcaaataa     120
aaggcactgg gaactctcag gggccacaca catgtgagat cttcccaata aaatcagcct     180
tagctttaaa accaggaaat tgtagcaac aggcctctcac cttcctccaa caccacagc     240
attgcctatc tccctgtgat agcttgattc taaagataac agcctgcctt tactcagaaa     300
ccaggactgt gacgtgtttt gcacacattc tcttttcact ttcacagtgt gtgactatgg     360
catgcaactt atgttctctg tgcctcagtt tactcaagtg ttaaacagga atactcacat     420
gaggattaca tgagttaaaa tggataaaat ggataaaagt agagagtaaa ttatttaaac     480
tttatcaaat ccttggtaca tgaccttaat acaattaagt atttgttaaa tacatacatt     540
ttaaagaaac gtcacatcat ccacacacct atgaggcacc tgcccaggac cacagagcca     600

```

atcaatcagg	tgatgagtga	ttccaggcca	gcaggaaacc	accgcccact	gacacagggg	660
ctgcaccatc	catccttggg	ttgcatgggt	cctgccatgc	ttcctgtatt	actgtttaat	720
acatggggca	ggccttttga	ggatcccaat	gttttaaaag	ggcaatacga	atatgattct	780
aatacataaa	aagtatgagg	gcagcaagaa	tttagttaca	aaacccaaaa	atcctcaaag	840
agaagccaca	tagcactgtg	cagtgttacc	actgcctcga	gtctggacag	ggcacagggt	900
accgagacaa	gtcttattta	actgatttca	caagaagggt	ccgagtttta	ttagacaacc	960
catgtcaagg	tacaaaatga	ttaatgacaa	tatcagccat	attctattag	ccaagtgcc	1020
cctgtcacta	tgaaactatc	ctgtaggaca	tccctgggct	ctcagttgct	aatgggctgc	1080
tgaagaaatg	aatgtcctca	aatcgagacc	ctaacacaaa	gagattccag	agagtggcct	1140
agaaaaccca	gctactctta	ccaatgtggg	gaaaggggtca	ggggaatgaa	cctctgcagg	1200
acaatttgaa	ttcccaaact	gagtaagagc	gaaacaaata	tgcaggcaag	gcaaagcctc	1260
aggggggctc	ctgggtctgg	ggcagggggg	gggagacagg	agaggcaaaa	tggcagggac	1320
ttgacagcag	gttccctctg	tctacttctt	cctcccgctc	ctctccttga	gggccagggt	1380
gatgactgcg	ccattggcca	tgttgtagta	agccagttag	ttggaatctt	tgatgaagat	1440
accctcatat	tgtagcttct	gtttccctgc	aggcatgcct	gtggcttcat	gaatcttcac	1500
cttaatgaca	gagacctggg	ccgtgagtgg	gaggggtgaag	accagcacct	gcccattcag	1560
tttccattcc	gtcttatcct	gcatgttggg	cacctggact	ttgatggaca	ctggaccctt	1620
gtttctgcgc	aggaactcct	cctctggcat	gaggctgtcc	tctgtcttca	gttttttggg	1680
gggtgggctca	tcttccatgg	gaggtggggg	atgcacaggg	ggcattgggg	ctggagctgg	1740
gacaggtgcc	acaggtggag	caggcacaaa	ggctgttggc	acaatcatgg	gggggtggcg	1800
ggggggccata	ataggagggg	ccgagggagg	catgggcacc	acgttgattc	tgggcgcgtg	1860
gatgatgggc	ggcatggggg	cgatcactga	gcctgggggc	agccggacca	cagatgccat	1920
tgggggcccgg	ggcatgacgg	gtactgcgga	gacaactgta	gtacgaactg	gaggtggcat	1980
tgtgggtggt	cggggcactg	aagtgatggg	tggagccgag	ctggggatgt	tgggtggctga	2040
agatggtggc	ggtggctggt	gagggatttc	attgggcttg	ctggggccaa	tcttctcttt	2100
agtgatcatc	tctggcacca	ggcctttggc	ctgtggaatg	gcctcaatct	gctcctggag	2160
ggtgatgttg	gcctgggcag	cctgctgggt	ccgggcacatg	ctgcctgagt	ggccatccca	2220
ggtcaccttt	tcctctggct	tctggatctc	ctcctcaccg	atcttcttac	caatggctgt	2280
ttcctctaca	ccgaagatgt	cagtacgccg	ctcagccaac	tgcttcaagc	tgctctcaat	2340
atccagacct	ggtgcgtaca	cctcatcatc	gctctgcttc	tcacggatgg	agcgatcccg	2400
ctgctccagc	cagcgagggt	caagaagtcc	aatgcgcgatg	tgttcctgca	ttttgctggc	2460
gggggatcttc	tccccagtaa	tgggggacac	aagatactca	tctggagcag	gggctggagg	2520
caagggtctg	gaggcttttg	gatcataatc	cttgccggaca	atgacttggg	ctggagttgg	2580
gggcagagggt	ggaggcatgg	gtgtctctgg	gggtgggggc	actttctgcc	cttcttcttc	2640
atcatctgaa	ccctcatcca	tatcttgtac	ttgggtgtcc	tgggtccagct	gggaaggagg	2700
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ctcactctcc	ccaaactttt	catagcgctc	ctgaatgagg	attcggggccc	ccagctcctc	2820
tggcgtgggt	gggggaggga	agttcccttg	ctcattgggt	tgggaagtcca	ctgtttccac	2880
caccacaaaa	tcatgccagt	cgatctgagc	ataggccacc	cgctccttct	ccttctcctc	2940
ttcttctctc	ttcctctcac	gttctctgga	tttgccccat	tccactcggg	aacacacctg	3000
atccaaaact	tctcgggggt	tttcagcctc	tttcttgagc	tttgaaaata	aacctttggg	3060
tggaatcaag	atcttgggtg	actgttccac	tagcttcgtg	aagtagttga	agaggctgtg	3120
ctgtgggcgg	agaaagtcaa	actggtagtt	gcgctgctct	ttctgcatca	gctgggtcag	3180
aaactggcgc	ccattcctgg	ccacaaattg	agccgtcagc	ttcaccacat	ccaagtcgaa	3240
ggctgagata	gagggaggat	cagcaatgaa	ctcaaaactca	ggaggaggct	ctttgggcac	3300
gatggtctct	tggattactt	gggcttggac	cttctggggc	agctgctgct	gggtggtctg	3360
ctgctgctgc	tgcattgacct	tggggatggc	ggcggacggc	tcctgagcct	tcccttctct	3420
gaactcgtctg	accttgtggc	ggtagtaggc				3450

<210> 5414  
 <211> 1927  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (6)...(1753)  
 <223> similar to gil230668 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5414  
 ggcacgaggt ggacatggcg tgcggccttc gccgcgctat tgcttgccag ctttccagag 60  
 tgttgaatct tccaccagaa aacttgatca catcaatata tgcagttcca atttcccaaa 120  
 aagaagaagt agctgatttt cagctttctg tggattcttt attggaaaaa gacaatgacc 180  
 attcaagacc agatattcaa gttcaagcca agagactagc agagaagcta agatgtgata 240  
 cagtgggtgag tgaaatcagt actggtcaaa ggactgtaaa tttcaaaata aacagagagc 300  
 tcttaacaaa gacagtgtca caacaagtaa ttgaagatgg ctcaaaatat ggattaaaaa 360  
 gtgaactttt ctctggactt cccagaaga agattgtggt tgaattcagt tcacctaatg 420  
 ttgccaaaaa atttcatgtt ggacatttgc gttctaccat cataggaaat tttatagcaa 480  
 atctcaaaga agcttttagga catcaagtaa taagaataaa ttaccttggc gattggggca 540  
 tgcagtttgg tcttctggga actggcttcc agctgttttg ctatgaggaa aaactgcagt 600  
 ccaatcctct acagcatctc tttgaagttt atgtacaagt taataaagaa gcagcagatg 660  
 ataaaagtgt agcaaaagca gcacaggagt tcttccaacg attggaactg ggcgatgtgc 720  
 aagcactttc actgtggcaa aaatttcggg acttgagcat tgaagagtac attcgggttt 780  
 acaagcgtct gggagtatat tttgatgaat attcaggaga atcattttat cgtgaaaaat 840  
 ctcaagaggt cttaaagttg ctggagagta aaggactcct actgaaaaca ataaaaggaa 900  
 cggctgtagt agatctctct gggaatggcg accctcctc aatttgtact gtaatgcgaa 960  
 gtgatgggac ttctctctat gcaaccagag atcttgcagc tgctatagat cgaatggaca 1020  
 agtataattt tgatacaatg atatatgtga cagataaagg acaaaaaaag cattttcagc 1080  
 aagtattcca aatgctgaag atcatgggat atgactgggc agaaagggtgc cagcacgtgc 1140  
 cctttggagt agtacaggga atgaagactc gaagaggaga tgtcactttc ctggaagatg 1200  
 ttttaaatga gattcaatta aggatgctac agaacatggc ttcaattaag acaactaaag 1260  
 aactcaagaa cccacaagag actgcagaga gggtcgggct cgcagcactc attattcagg 1320  
 acttcaaagg tttactctta tctgactaca agttcagctg ggatcgtgtt ttccagagtc 1380  
 gcggggacac aggagtcttc ctacagtaca cacacgcccg cctccacagt ttggaagaga 1440  
 cttttggatg tgggtacctg aatgacttca aactgcttg tttacaagag ccacagtctg 1500  
 tttcaattct tcagcatctt ctacaggttc acgaggtgct ttataaatca tctcaggact 1560  
 ttcaaccagg gcatatcgtc agttaccttc taactttaag tcatcttgca gctgtggcac 1620  
 acaaaacact acaataaaaa gatagtcttc ctgaagtggc tggggccaga cttcatcttt 1680  
 tcaaagctgt cgttctgtc ctagccaatg gaatgaaact tcttgggaata acacctgtat 1740  
 gtaggatgta atttccatta aaatggcttt taaaatgtca aaaaaaaaaa aaaggggggg 1800  
 cccttttaaa agaatcaaat tttactgccg ggggcgggga gagtaatatt ttttttatgg 1860  
 ggccacaaa ttaaaattgg ggggcgggtt taaaacggc ggggagggaa aaacctctgg 1920  
 ttttccc 1927

<210> 5415  
 <211> 2725  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(109)



<223> similar to gil469866 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5415
tgaaatctct agaggaagaa cagagagccc gcaaagacct ggagaagctg gtgaggaaaag      60
tcctgaagaa catgaatgat cctgcctggg atgagaccaa tctataaggg acgtcctcag      120
ttctttctgt tgaagaccag ttctgaggtg aagctgggca cccctgaccc aagtcgggggt      180
gcactcagga ccacagggca gggctgggtg gggcgccacc ttgctctctg tatatagaaa      240
agctggagct tattctgcga atggagacga tcaaaccatg actgatgaat ccagacagga      300
gggattgact ctgaggacct gagctacatc aatccactct gtgaacatct cagttacctc      360
attctgcaat aagttcagtg actgactaaa agtcttggtt ttccagactt tgaattgaat      420
atataaatat tataatatac tgtttcttgt aaatatccca ttttgaatgc atacctgtgg      480
tggttctgtc cgggctaata cccatgctag aatgtccttt ccagctacgt gaataagaag      540
tcccatgccc gcatccaccg gaagcagaag cctgggtgat gcctgggttcg ttccgcagca      600
ccagggcctc caccgtgctg tggcagcacc ccccatgtcg gtatttctaa ataaccttat      660
ttatacctgc agagatacac ttcagtccca ttcagaagtc ttctcttaaa gcagcattac      720
agtcccagac ctgcggggtt ctgagggcag cttgctggct gacagactca gtcttgacct      780
caaggaaggc ccatacggca ctgccgcac caccatagagg tgtttgctct tgtccgctgt      840
ctgagtactg tgattctcag atgagtttgc tgcgttttgg gaggacacag acggttctgt      900
ataggctagt tcagtaacaa caaaatacac tgttttgtct tccctcaaaag agagatctta      960
ctagaacctg taaatagaat gtattattta ttataagtca ctgcagctga tgaaaacaga     1020
tggaggccat gctgcaggct gatactgatg ggtggagttt tgtcatcagg ccagcctcat     1080
cccagggtct cctccaccat tggcctagc cagcaggctt cagtgtcac cgaaagtaaa     1140
atccccctct tcagcaagaa taaagcaata tacacttag gtccactaa gtaacatagg     1200
cataagcagg gaacgtttcc cccactgtgt tccagtgcag aggagacgaa gcttgcctc     1260
accgcggctc gctgggccc aagctggctct ggaaagcctg tgcggtcctg ggcagggaagc     1320
ccggcccgtg gagcagggtt tgcgttctgt tcagcaataa ataagggtga ccacagggac     1380
tttgcttttg gtttcctttc ctgtgaaaag gttggtttta aagtgagata cacttttccg     1440
tagaacaagt gttctatctt taaaaaccca aattgcagca ccgtggatta ctggtctcag     1500
aacaactcat tgcgcacacg atttgactct ctgattttct gtctattggc caaattgccc     1560
tttaactgca cctgaatcct ttgtgtactg atgcctttga gctgggcacc ttgggagagt     1620
gttgtgttgc tgtttacggt tcttccttgc ccttgctaata tacagtctct ggtgcccagc     1680
aagccccctt ggcttccttc cgtgactggt cacgttgtct gcctgggctc agcgtggacc     1740
tgccccatgc tgcagaacct ggccctcacct ggacttttca ctagaattgc cagcttcctc     1800
aacttagcag atcattcact catgcgggca caagcaaaga tcaacacttt ctttttttgt     1860
aagcttgagt tttacaagtt attttttgtt gatgcgtaag acattgcagt gggaaaccat     1920
tcaacttgag tttattggag ttgctgttg tagcaggtt taactcagga acaactcttg     1980
tctgatctct ccgccccctc gccgggagge gacattaact gtccctctcg agccggtagc     2040
gttgctgtcc gagtccccag gacggatctc ctgcagacct gccttaatgc tcagatcgaa     2100
gtatttcaca agaatacttg tgtttttaac agcccttccc ctggacgggtg cggccatgag     2160
ggcctcatgt tacggcattg ccttttcttt ctgtggatcc agtatcttcc tcggcttttt     2220
agggagcagg aaaaatgcgt ctgagagcaa ctctttttaa aaacctgccc tgttgtatat     2280
aactgtgtct gtttcaccgt gtgacctccc aagggggttg gaacttgata taaacgttta     2340
aaggggccac gatttgcccg agggttactc ctttgctctc accttgatg gatgaggaga     2400
tgaagccatt tcttatcctg tagatgtgaa gcactttcag ttttcagcga tgttggaatg     2460
tagcatcaga agctcgttcc ttcacactca gtggcgctct tgcttggtcca catgcactgg     2520
gcgtctggga ccttgaatgc ctgccctggt tgtgtggact ccttaatgcc aatcatttct     2580
tcaattctct gggacaccca gggcgctgt tgacaagtgt ggagaaactc ctaatttaaa     2640
tgtcacagac aatgtcctag tgttgactac tacaatgttg atgctacact gttgtaatta     2700
ttaaactgat tatttttctt atgtc                                     2725

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<210> 5416  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (416)...(161)  
 <223> similar to gi2257540 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5416

cccacgcgctc	cgggactatc	tttgagttca	tcttggtctg	aatgtgagtc	tgagtctttg	60
tttccagatg	acacagtgtc	gtctgagtc	tctgaatcac	ctgcctcaga	actgcagcaa	120
agtttctgct	gccagaaaac	tgaatgggct	gcttgtaatg	cagattcttc	ctcctggaca	180
agaagtgtctg	ctgcttctag	ttcttccagt	tctaacccca	actgggcctt	tgtaagggag	240
acttccttta	aggtctctgc	aagagctgcc	aacgttttgg	atttgacttt	ctgagtccac	300
acacagtagt	atgagatgta	gagatcattc	agtatgtatg	cctgggtcgt	ttcctgaaaa	360
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<210> 5417  
 <211> 896  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (4)...(435)  
 <223> similar to gi5262621 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5417

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ggcatggacc	aagtgcaccc	ccaaaacatt	cgggattccc	ccatggccaa	cagcggaccc	180
ctctgctgca	ccatttgcca	cgaacgtttg	gaggatacgc	atttcgttca	gtgcccttcc	240
gtccccagcc	acaaattttg	cttcccttgc	tctagagaga	gtatcaaggc	ccagggggcc	300
accggcgagg	tgtattgccc	cagcggagag	aaatgccccc	tagtcgggtc	gaatgtacct	360
tgggccttca	tgcagggcga	aatcgcgact	atcttagctg	gggatgttaa	agtgaaaaag	420
gagagagacc	cttgaaccac	tgggcagcca	cctcctttgc	cctagaccag	ctcctctcca	480
atcctgaggg	cccctcccc	aaccacaactc	gacctccct	cccctcacc	ccaagggtga	540
gaattgtgaa	tataacgaaa	ctgcaaaaag	ttagtcttat	gtatagacat	tattttcgtc	600
gtatgtttct	atattttgaa	acaaaggtat	gtaacttctt	catttgaagg	ataagctggt	660
ttgtgttaag	cagtatagta	ttggttgggt	catttgcata	atatcgttag	catttatattg	720
gtggcagaat	gtttgcctag	gtacagaatt	aatagccctt	agcaacgact	gctgctggtg	780
tgtatttttg	taaatgttat	gcactctctg	aaaggaaaaa	cacacacaaa	agaaaaagac	840

tttttttttt tttttttttt ttttccaagg cccagggttg ctgcctaaaa aaaaaa

896

<210> 5418

<211> 6398

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(2354)

<223> similar to gi5081652 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5418

agaccaacaa	attcatcaag	gagctcatca	aggacgggaa	gtcactcata	agcgcgctca	60
agaatttgtc	ttcagcgaag	cggaagtttg	cagattcctt	aatgaattt	aaatttcagt	120
gcataggaga	tgcagaaaca	gatgatgaga	tgtgtatagc	aagatctttg	caggagtttg	180
ccactgtcct	caggaatctt	gaagatgaac	ggatacggat	gattgagaat	gccagcgagg	240
tgctcatcac	tcccttgagg	aagtttcgaa	aggaacagat	cggggctgcc	aaggaagcca	300
aaaagaagta	tgacaaagag	acagaaaagt	attgtggcat	cttagaaaaa	cacttgaatt	360
tgtcttccaa	aaagaaagaa	tctcagcttc	aggaggcaga	cagccaagtg	gacctggtcc	420
ggcagcattt	ctatgaagta	tccctggaat	atgtcttcaa	ggtgcaggaa	gtccaagaga	480
gaaagatggt	tgagtttgtg	gagcctctgc	tggccttcct	gcaaggactc	ttcactttct	540
atcaccatgg	ttacgaactg	gccaaaggatt	tcggggactt	caagacacag	ttaaccatta	600
gcatacagaa	cacaagaaat	cgctttgaag	gcactagatc	agaagtggaa	tactgatga	660
aaaagatgaa	ggagaatccc	cttgagcaca	agaccatcag	tcctacacc	atggagggat	720
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gcataatcag	gaaatgcata	catgctgtgg	aaaccagagg	gatcaacgag	caagggtctg	1140
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ggagaatggc	atgagcccgg	gaggcggaga	ttgcggtgag	ccaagatcgc	gcccctgcac	6360
tccagcctgg	gtgacagagc	cagactccgt	ctcaaagg			6398

<210> 5419

<211> 958

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (70)...(710)

<223> similar to gi2914017 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5419

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aatgctcttc	atcttgctgt	catgcacggc	cggctcaaca	acatccgggt	tctcctgaca	180
gagtgcacag	tggacgccga	agcctttaat	ctcagaggcc	agtcaccact	gcacattttg	240
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aaagggaaacg	ccaacttgtg	ccgcgccatc	gtccggtcgg	gggtcgcctc	cgggggtgaat	420
aacaaccagg	gagtcaacat	cttcaactac	caggtcgcca	ccaagcagct	cctgttccga	480
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cgggttttgca	acatttgttt	tgatgtactg	actctgggtg	gggtttctta	gtgagccccc	720
cggagggtcc	aggccacgtc	cttggtcacc	tccccagcag	ctgctctgct	caccagcctg	780
acccacacca	gagcaggagc	tggcgggtgt	cttcctgcgg	caatagactg	gaacgattaa	840
ggaccatggt	gtgatagatc	ccatttcaaa	tgattccata	tgattgtcag	tgtgtgtgtc	900
agactgtgat	cgatttcact	agatgtctca	ctcatcagac	caggccattg	ggcctaag	958

<210> 5420

<211> 1087

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1078)...(630)  
<223> similar to gil213535 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5420  
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atgccacagt agccctagtg ttttaagtgt gcctctcaaa cttgtcctct ttcagcatt 180  
ctcctctctc aacctgccac tcttgaaaac tcaacttttct tttgcatttt gttctacatg 240  
tgaaaaatat ggaactcaag taagacccaa ggtagatccc aaggggttca gaaataccct 300  
gtcaagggca cagaatgggt agcaatagag tccctattta aggtcaatca tcgttaataa 360  
catgaatctt aaattctaac attacttact taacagtccc taaattctaa tttcctaac 420  
ttcacaaaac aaacttttct aaaacttctt accagtaaag gatatagctc acattaatat 480  
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gcataatact tccatgcgtc accatgagaa tcatgggata catcaatcag ccaggaggca 900  
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aagccaatct ggatcttggc aaagcgccgc cactttgggt accacatctc accagtgtg 1020  
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tttttat 1087

<210> 5421  
<211> 2372  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (2373)...(1498)  
<223> similar to gi3850564 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

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gtgggcacca acctcaggaa gacgtgggtc ccacctggag ctccctcgg ctgccctggc 180  
ccttgagccc gtcctgagga tttgtgcttt gactctgaca gggagcagca ggaagctgcc 240  
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cccgcggtca	ggccccatca	gggatgggtca	cagtccagcc	acaggggcca	ctctgccc	360
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gtggtgttga	gccatacgcc	ggggttcttc	tccacggcgg	ccgagagctg	tcccgtgatg	1800
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ccagggtcca	ccccttgccg	gcccttgggg	aggctccatg	tcttgaccag	ctcctcagca	1920
atgtcgaagg	cgttcaggcc	gtcagcttc	ttctcccaga	agagctggcg	cggctgggtcc	1980
accgccttct	gcgggtcgct	cttgaccttg	ttgctgggg	ggttggtaat	cttgggtcacc	2040
ggctgcttga	agatggacgc	cgtctggcgc	acgggcagcg	ccgtgttcag	gtcgggcttg	2100
cccttgacct	ggttggagga	gtcgtagcgc	acgcgtggc	ggctcttggt	catcttgctc	2160
atcagcatct	tgcccgctgcg	gaagtccaag	gtgctcaggt	ccatggagcc	gcccaggtag	2220
cgcgccagct	gcggcttgct	gcggaacttc	ttcccgctcg	ggctatagta	aaagacatcc	2280
ctgtggccgg	ccgacagccc	cgaccttctg	ggcacttctt	ccctctccca	gccctgcggg	2340
agcgccgggc	actcccacct	cttccgctcc	at			2372

<210> 5422

<211> 1799

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1801)...(1052)

<223> similar to gi4972684 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5422

gttaattttg	gttccttaaa	acgccccccc	cctttttttt	ttttttcctt	cctttttttt	60
ttttgcgaga	cagggtctca	ctttgtggct	caggctggag	tgtactggca	cgttcttagc	120

tcactgcagc	cttgaactcc	tgggctcagg	caatcctcct	accttagcct	cctgagtagc	180
taggactaca	ggaatgtgcc	atcatgcctg	gctaattttt	aagttttttg	tagagatggg	240
atctcactat	gttgcccaag	ctggtttcag	attcctgtgc	tcaagggatt	ctgctaactt	300
ggctcccaa	agtgtctgga	ttacaaatgt	gagccactgt	atctggccca	tattcttttt	360
taagaaaaga	tgcagaggtg	ttaaatatta	atatcaaatt	gtccaggcat	ggtgtttatg	420
aaattgtgtg	ccctctgaca	ggcaaccaa	cacacacgac	ttcatttctt	tattaattcc	480
tgcctcatca	tcttttctca	ttgatgctcc	ttaatgtcaa	aggaatctct	ctctctcaca	540
cacacataag	accaaaca	atatcttgaa	catgcaaaaa	aatagctctac	gcttttgaat	600
agtgtgcact	gttgaatagt	gtgcactggt	ggatagtgtg	cactgttgaa	gtgtgatgtg	660
cctaaggcaa	caggatcttg	ggaaagctct	agatttttgg	cttcgaaata	aaactgcatg	720
ttgaatagca	ggtttttaca	tttattattg	ttgtgtattt	cctccctttt	ttgcaatact	780
atctacgctg	agttatctat	tgccaaactag	caccaattct	ccaaatcaaa	gtgtgtgagg	840
aaaacacact	cgtgcaatcc	tctttaacag	aagatacacc	aagtaacctg	tctgtctact	900
tctgttacc	agaaataaaa	gaacttgaag	ggctgcttgg	ctgggagggg	gtcccgggtg	960
gggaagaggc	atcctgccct	cagtcgggaa	tccatggtga	acagctggat	gtcctgtgga	1020
ttccagtaca	gggcccactg	gctgagttgt	agacaagaga	ccagacatag	gggataaaaa	1080
actcctcggg	ctgctcctct	tccacatatt	tgaatttcaa	ttctggaaat	ttcttcagtc	1140
tgtctttggg	cagcgcaacg	acgccttget	taatgatctc	caggaccctg	tccactgaca	1200
gctcagctcc	agcttgacgc	aaccttgagc	taaagaagga	gatcaccaga	tcaatatttt	1260
gcattatate	ctgaaatgaa	ggatgagttc	gaaattgttc	aaagagatcg	cgtttgtaaa	1320
gcagggcgta	taccaagttt	gggttgtggt	gaagggaatt	tgtcaggcag	gagttgatga	1380
tctctaacat	cattcgaatc	acttcttcaa	tgacatttag	gtcttgtgca	taatctggta	1440
gaggaacatc	attagaactc	agcgaacctc	tcaaggactg	tgtggcttgt	tccagaactt	1500
tgttgtgttt	tttagacagc	aaagaaaata	aactgatgat	cctctgggca	gcatactgat	1560
ggagagaacg	aaactgtgcc	gacatatttg	ctaaagctgc	caaacaattt	gtgtcaaggt	1620
acttgtctcg	tgtcctagtc	atgttgtatt	gaatggttct	tattaccacc	aggatcagga	1680
gactcccaa	ggagatttca	gttaaaactc	gttctgaata	ccaagtaata	tttttagta	1740
tcacttcatg	aatggatctg	ttgaagccat	catcttccgt	aaggatcaac	aatattata	1799

<210> 5423

<211> 1255

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (42)...(460)

<223> similar to gi4539001 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5423

cgcgagaccc	gtccggaatt	accggcacga	cccacgcgtt	cgaaaccaat	aaaaacaatc	60
ctgggaagac	taagacttta	gatccaaagg	ctgtctttca	gagaacaaag	gaacactgcc	120
tcatggggat	caaaggaact	gtgaagcgta	gcacagacgg	ggacttcatt	catgctaatt	180
ttgacattga	cttaattatc	acagaagaac	ctgaaattgg	caatatagaa	aaacctgtag	240
aaatttttca	tataattgag	catttttgtc	ttggtagaag	acgccttcac	ctatttggaa	300
gagatagtac	aattcgacca	ggctggctca	cagttggacc	aacgcttaca	aatagcaact	360
acaatgcaga	aacatatgca	tcctatttca	gtgctcctaa	ttcctacttg	actggttgta	420
cagaagaaat	tgagagactt	cgaccaaatt	cgcctcctcc	caaattctaaa	tctgaccgag	480
gaggtggagc	tcccagaggt	ggaggaagag	gtggaacttc	tgctggccgt	ggacgagaaa	540



gaaatagatc	taacttccga	ggagaaagag	gtggcttttag	agggggccgt	ggaggagcac	600
acagaggtgg	ctttccacct	cgataattgt	tgaagacatt	gaacctattc	atcctcctct	660
aaccttcttt	attgcaatta	aatttcaagt	gggagactta	actttagaac	tcacttccag	720
cttgcacttt	gctttaattt	ctctgagctg	caagaatgtc	ttagcgagcc	ttgcttgacg	780
ttgtcacaca	cactgtccgg	tttttttcag	gataaatgaa	tgattctgcc	ttttgttatg	840
tgcgtgaaca	gaatggaaca	actcaagtag	cttcatcttc	agagactgaa	tttattctga	900
tagacttcag	ctaattacaa	aggattttgc	taatttttgg	gaataaataa	tggaaaaaga	960
tccagtctgt	ggatcatg	tagtgctgac	agggccttga	tagaatagag	ttggaaaaga	1020
tggtaagctt	ttgtcagggt	tttaacattt	tcttgatgaa	acaataaaaa	gaggttaagct	1080
tttttcttct	ttttttttat	agtttttaaat	aaactcagat	ataatttgaa	tactgaagaa	1140
attaagagac	tttgaacaaa	aactcttccc	aaatctaaat	ttgatagggg	aggtggagat	1200
tccaggggtg	ggtgaaagaa	gagatagaac	ttagcaggca	gacttaaaaa	aaaaa	1255

<210> 5424

<211> 2830

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(847)

<223> similar to gi5106521 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5424

acaacccctt	ctcctggaag	aactttgtag	acaccgtccg	cgacaccacc	gccgcgcacc	60
aggctctgct	ggtggccaag	aacgtcgact	cgtttccgca	aaaccaggag	cgcttcggcg	120
ggggccacat	cgacgtgtgg	tggatcgtgc	acgacggcgg	catgctcatg	ctgctgccct	180
tcttgctgcg	ccagcacaag	gtgtggagga	agtgcgggat	gcgtatcttc	accgtggccc	240
aggtggacga	caacagcatc	cagatgaaga	aggacctgca	gatgttcttg	taccacttgc	300
gcatcagcgc	cgaggtggag	gtggtggaga	tgggtgaaaa	cgacatatct	gctttcacct	360
acgagaggac	actaatgatg	gagcagaggt	cgcagatgct	gaagcagatg	cagctgtcca	420
agaacgagca	ggagcgagag	gcccagctga	tccacgacag	gaacaccgcg	tcccacaccg	480
cggcggcagc	caggacccaa	gcgcgcgcta	cgccagacaa	ggtgcagatg	acctggacca	540
gggagaagct	gatcgctgag	aagtacagga	gcagagacac	cagcctatct	ggtttcaaag	600
acctcttcag	catgaagccg	gaccagtcca	acgtcaggcg	gatgcacacg	gctgtgaagc	660
tcaatggcgt	cgtcctcaac	aagtcccagg	atgcgcagct	ggtcctgctc	aacatgccag	720
gtcctcccaa	aaaccggcag	ggagacgaga	actacatgga	gtttcttgaa	gtcctgaccg	780
aggggctgaa	cagagtcctc	ctgggtcaggg	gtggcgcccg	ggaggtgatc	accatctact	840
cctaattgcc	aacagcatca	cggcactctg	ggacaggcac	ggaggacggc	gtgggcagcc	900
tgggcctggg	cttggccccag	ggaaacagac	ggcagacaca	cctgtccccc	agtgatgcca	960
cccaagctgc	ccatggggct	tcctacggaa	gtttctaggc	ccgtcaccta	gggctctcct	1020
gttcagcctt	aacaggctca	gcaaatcagg	gcgtggctgg	acgatttcct	tgcattctgag	1080
ggcagacgct	gctaccggag	tgacctggac	gtggccagat	cttctcgcag	gtcacaagaa	1140
gccagtgagc	ccttgccctt	gtttctggaa	gtttctttcc	ttggctggat	ttacccagtg	1200
gttaggttgc	atttctaccc	catccagaac	attcttggaa	gagcaccggg	agctgaagct	1260
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ctggaggact	ctgtccatgc	ccgtgtcacc	ctcgtgtggg	agcctctggg	ctcggcaggt	1440
ccacatttca	tgagctgagg	cgtgggccag	ggccatctgg	aaagggaact	cggcttttcc	1500

agaacgtggt	ggatcatctg	tcgggtgtgt	ggtgaacacg	ttcagttcat	cagggcctac	1560
gctccgggaa	ggggccccc	gctgtggctc	tgccatgccg	ggctgtgttt	gcagctgtcc	1620
gagtctccat	ccacctttag	aaaaccagcc	acttcttttc	ataagcactg	acagggccca	1680
gcccacagcc	acaggtgcga	tcagtgcctc	acgcaggcaa	atgcactgaa	acccaggggc	1740
acacgcgcgc	agagtgaaca	gtgagttccc	ccgacagccc	acgacagcca	ggactgcctt	1800
ccccacccc	ccccacccc	ggagcacggc	acacagttca	gcctctgagc	tggctcacac	1860
gtgccatccc	caccccggtg	ctccagggaa	ggaggacacg	gacccgacgt	gggaggtcct	1920
caggcagcag	tggcgctgg	tgtcaggtct	gtctggctga	gtcccgggcg	tcccctgcc	1980
tggcctgtgc	cttgcattga	ggcggcgggtg	gcactgaaga	gatagctttc	aagggcccaa	2040
cactttgcac	ttcggtctgg	tgtgagtttc	tgctttgtag	gttggtgtca	catttgcagg	2100
ctgcgggcag	tggcaccgac	ttgggcctcc	ctttctatgt	ggcatattta	tttattttaa	2160
caccccgagg	agttacgtgg	taacaagggt	gtccataaag	aggttgcttc	tatatactag	2220
aggccccaga	tggccaggcc	ttgggctacg	tctggcttgc	atggctctcc	aagggaatca	2280
gccccatcaa	caaagttcaa	atcggggcag	aggctgcact	tgtgccccca	gatgtttctg	2340
aggagccaga	ctagggtctg	cattgctgta	gagtgacggc	tgctgcccag	agcgtgtccc	2400
agacatcaca	gcggggctca	gcagttccca	cagcctctgc	ctgccttggc	taagcatgag	2460
ttaagcagca	aaacgctcct	ccatgtctgg	atggggccgg	caggtcctgt	gtcccctgca	2520
cctggaggag	agcaggctag	aggcacagcg	gccacatggg	gctggctctg	aacgttggtt	2580
ggtggctgga	aaacagccct	gcttctgagg	gccgctcagt	tctgcacacg	aaaccacctc	2640
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cctttgtgtt	gtcaactccg	tgtaacctgt	aactacagcc	atttacaatt	gactccgttt	2760
cctttttag	gtttccctgt	ctgtctgtgt	tagtagaaaa	ataaaatcct	atgaaatctg	2820
aaaaaaaaa						2830

<210> 5425

<211> 1247

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(704)

<223> similar to gi2645856 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5425

atttcattaa	agaaaacagc	tttctgccat	ttcaaattga	ccacatcagg	cagatggcgt	60
atcagatctg	ccagtcaata	aattttttac	atcataataa	attaaccat	acagatctga	120
agcctgaaaa	tattttgttt	gtgaagtctg	actatgtagt	caaataaat	tctaaaatga	180
aacgtgatga	acgcacactg	aaaaacacag	atatcaaagt	tggtgacttt	ggaagtgcaa	240
cgtatgatga	tgaacatcac	agtactttgg	tgtctaccgg	gcactacaga	gctcccagg	300
tcattttggc	tttaggttgg	tctcagcctt	gtgatgtttg	gagcataggt	tgcattctta	360
ttgaatatta	ccttggtttc	acagtctttc	agactcatga	tagtaaagag	cacctggcaa	420
tgatggaacg	aatatttagga	cccataccac	aacacatgat	tcagaaaaca	agaaaacgca	480
agtattttca	ccataaccag	ctagattggg	atgaacacag	ttctgctggt	agatatgtta	540
ggagacgctg	caaaccgttg	aagggaattta	tgctttgtca	tgatgaagaa	catgagaaac	600
tgtttgacct	ggttcgaaga	atgttagaat	atgatccaac	tcaaagaatt	accttggtatg	660
aagcattgca	gcaccccttc	tttgacttat	taaaaaagaa	atgaaatggg	aatcagtggt	720
cttactatat	acttctctag	aagagattac	ttaagactgt	gtcagtcac	taaacattct	780
aatatttttg	taaacattaa	attattttgt	acagttaagt	gtaaatattg	tatgttttgt	840

atcaatagca	taattaactt	gttaagcaag	tatggtcttg	ataatgcatt	agaaaaatta	900
aaattaat	ttctttttga	aattaccatt	tttaaatacc	tttgaaatat	cctttgtgtc	960
cagtgataaa	tgtgattgat	cttgcccttt	gtacatggag	gtcacctctg	aagtgatttt	1020
ttttgagtaa	aaggaaatct	tgactacttt	atattcttaa	aggaatattc	tttatatact	1080
tcaaatttag	aacttaactt	taaaagtttt	tcttctgtaa	ttgttgaacg	ggtgattatt	1140
attaactcta	gataagcagg	tactagaaac	caaaactcaa	aaaatggtta	ctggtagaat	1200
tctattaaca	tttaagggct	ggattctttt	tgattgggcg	acgtcat		1247

<210> 5426

<211> 626

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (78)...(599)

<223> similar to gi5304869 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5426

tcccgtgtcg	accacgcgt	ccgctccttc	tgaaggaagg	agttccagca	actgatgtag	60
tctgtccgga	ctctcgctgt	ggccacgtat	tctgcccgttc	ctgtattgct	accagtctaa	120
agaacaacaa	gtggacctgt	ccttattgcc	gggcataatct	tccttcagaa	ggagttccag	180
caactgatgt	agccaaaaga	atgaaatcag	agtataagaa	ctgcgctgag	tgtgacaccc	240
tggtttgcct	cagtgaaatg	agggcacata	ttcggacttg	tcagaagtac	atagataagt	300
atggaccact	acaagaactt	gaggagacag	cagcaagggtg	tgtatgtccc	ttttgtcaga	360
gggaactgta	tgaagacagc	ttgctggatc	attgtattac	tcatacacaga	tcggaacgga	420
ggcctgtgtt	ctgtccactt	tgccgtttta	tacccgatga	gaatccaagc	agcttcagtg	480
gcagtttaat	aagacatctg	caagtttagtc	acactttgtt	ttatgatgat	ttcatagatt	540
ttaataataat	tgaggaagct	cttatccgaa	gagtcttaga	ccgggcactt	cttgaatatg	600
tgaatcactc	gaacaccaca	taattt				626

<210> 5427

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(453)

<223> similar to gi5712195 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5427
gcttaagcgc tgcccagaag gccaaaggtga agcactcggc catcgcggtg gttgtcatct 60
tcttagtctg cttcgccccg taccacctgg ttctcctcgt caaagccgct gccttttctt 120
actacagagg agacaggaac gccatgtgcg gcttggagga aaggctgtac acagcctctg 180
tgggtgtttct gtgcctgtcc acggtgaacg gcgtggctga cccattatc tacgtgctgg 240
ccacggacca ttcccgccaa gaagtgtcca gaatccataa ggggtggaaa gagtgggtcca 300
tgaagacaga cgtcaccagg ctcaccaca gcaggacac cgaggagctg cagtcgcccg 360
tggcccttgc agaccactac accttctcca ggcccggtga cccaccaggg tcaccatgcc 420
ctgcaaagag gctgattgag gagtcctgct gagccactg tgtggcaggg ggatggcagg 480
ttgggggtcc tggggccagc aatgtggatc ctgtgcact 519

```

<210> 5428

<211> 1566

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(690).

<223> similar to gi3947712 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 5428
aagaattcag ggaaaagcaa aaactacaac gaaaaaagac agagctcata atggatgcta 60
tccataaaca aaagagctta caattcaaga aaaccatgga tgcaaagaag aactatgagc 120
agaaatgccg ggacaaagat gaggcagaac aggccgtcag cgggagtgcc aacctggtga 180
accgaagca acaagaaaag ctttttgtga aactggcaac ttcaaagacc gcagtagagg 240
actcagacaa agcatacatg ctgcacatcg gcacctgga taagggtccga gaagagtggc 300
agagttagca catcaaggcc tgcgaggcat ttgaggctca agaattgtgaa cgaataaact 360
tcttcgga tgcattgtgg ttacatgtga atcagctgtc acaacaatgt gtcaccagt 420
atgaaatgta cgaacaagtc cgaaagagtt tagaaatgtg cagcattcag agggacattg 480
aatactttgt gaatcaacgc aaaactggac agattccacc agcaccatc atgtatgaga 540
atttctactc ctcccagaag aatgcagtc cagcaggaaa ggctacaggg cctaacttgg 600
caaggagagg accctccca attcctaaaa gctcaccaga tgatcccaat tactcttgg 660
ttgatgacta cagtttgctc tatcagtaaa atcaatgaaa ccagagcttt ttccggctag 720
tgcttctgtg atatggaaa ggcaccaga gcagcaggac ctatagccac gttatgtcag 780
caatgaagac tttgaagtga acccttgcta taatttttta gagatttaaa atttatggt 840
gacatttagg acaacataag caagtagagt tctgcagttt tttgaagttt acaaattgcc 900
ccattctgaa gaattattat ttcccagtta ctcaggttat gaatgaatta ggttttcaac 960
atgggaagca tgaaatccac ttctggattt ggagcatcca cttgaggagc agaggtggca 1020
gcagaggatt ctgagccacc aactgcagta gtggctcctt tggctttggg cagcctggct 1080
gtggagtttc cacggcgaca cacagcctca gtggtgcaag atttaaaatt accttccttt 1140
ttggctggaa gacttagaag ccgctgac atactttctc attttacaga tgaggaaata 1200
aagcctacaa gtgtgaaatt aatttcctta cagttttcct agctgatgag ggacagaacc 1260
agaactagag cctgagccca acccacatca ctattcttct aaccttcct gaagttgtga 1320
tgctcatgct gaaatttaag atgccaaata tttttgccag cactttttca gttgggagaa 1380
tcaccagggt ttaaattgca gatttatttt tatgtggatc cctgtgtatg ctgaactaca 1440
gagcatgatg ttaaatctaa ttaaggagc cactgattgt aaaacatgcc attattttat 1500
gttgactaa gaaggtgggg tcgaggagtt gccataaac ttgggacaga ctattgatgc 1566
caagcc 1566

```

<210> 5429  
 <211> 2546  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(942)  
 <223> similar to gi4559312 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 5429
atgcggaggg ggcgcgttct ggccggcgcc ttggccgcgt acgccgcgta cctgggtgctg      60
ggcgcgctgt tgggtggcgcg gctggagggg ccgcacgaag ccaggctccg agccgagctg      120
gagacgctgc gggcgagctg gcttcagcgc agcccgctgt tggctgcccc cgccctggac      180
gccttcgttg agcgagtgtt ggccggccga cggtcggggc gggctgctgt tgctaacgct      240
tcggggctcg ccaacgcctc ggaccccgcc tgggaacttc cctctgctct cttcttcgcc      300
agcacgctga tcaccaccgt gggctatggg tacacaacgc cactgactga tgcgggcaag      360
gccttctcca tcgcctttgc gctcctgggc gtgccgacca ccatgctgct gctgaccgcc      420
tcagcccagc gectgtcact gctgctgact cactgcccc tgtcttggct gagcatgcgt      480
tggggctggg acccccgcg ggccgectgc tggcaacttg tggccctgtt gggggctgta      540
gtgaccgtct gctttctggt gccgctgtg atctttgccc acctcgagga ggcctggagc      600
ttcttgatg ccttctactt ctgctttatc tctctgtcca ccatcgccct gggcgactac      660
gtgcccgggg aggccctctg ccagccctac cgggccctct acaaggctgt ggtcacagtc      720
tacctcttcc tgggcctggt ggccatggtg ctggtgctgc agacctccg ccacgtgtcc      780
gacctccacg gcctcacgga gctcactctg ctgccccctc cgtgccctgc cagtttcaat      840
gcggatgagg acgatcggtt ggacatcctg ggcccccagc cggagtgcga ccagcaactc      900
tctgccagct cccacaccga ctacgttcc atccccaggt agctggggca gcctctgcc      960
ggcttgggtg tgccctggcct gggactgagg ggtccaggcg accagagctg gctgtacagg     1020
aatgtccacg agcacagcag gtgatcttga ggccttgccg tccaccgtct ctcctttggt     1080
tcccagcatc tggctgggat gtgaagggca gcactccctg tccccatgtc ccgggctcca     1140
ctgggcacca acataacctt gttctctgtc ctttctctca tctcttttac actgtgtctc     1200
tctggctctc tggcattctc gctgcctctg tctttccctc ttgctgtctc tgtttctcat     1260
tctctttcat gttccgtctg tgtctctcaa ttaaccactc gtcaactgtg gattctactg     1320
ggctgtgggc tcagacctca tttcaggcac cagattggtc gctacacctt ggacaagtga     1380
ctgcccgtct ctgagccttg atttctcag ctgcccgaat ggaagaatag aagaatttgc     1440
ccctaaaccc ctcctgtgtg ctggccctgt gctagacagt gctggagaca tagttggggg     1500
tggagaactg ccccttatgga gcttgagtc cagttaggtg gacagacctg tccccagaca     1560
gtgatggccc aaaatggtca ggactttaat ggaggaggtg aggtgttgaa agcacaggca     1620
gagtggtcag ggctgaagtc ggagaagcat agggactagg cccaatccag cctggaaagt     1680
cagggaggac ttcctagagg aagggacatc gaactaagac ctgaactatg agaaataggc     1740
aggaagaagt tgtacctgac tcatTTTTCT cagggtgtct cagggagcag gacctatgga     1800
gggacctctg gtgtaggcct gggcgataga ctcttccctc gcagcctggc aggcaggaaa     1860
cagacatagg accccagccc agatctgaat ggcattggag gtgctgccct taacctgac     1920
accattgtaa gagctgtcca catttgatg ttgtgccctg gaatcagcct gggtgagctc     1980
aaatcccaac ttagccacgt ctggcctgtg tcttggggca gtcacactac ctctctgatt     2040
ttgtttcctt atctgtaaaa tggatgatcat cataatacaa cttcaaaagg atttcaggct     2100
gagtgtggtg gctcacgcct atacaccag cactttggaa ggctgaggaa ggaggatcgc     2160
ttgaggccag gagtttgaga ctagcctagg caacacagt aggccttctc tcaacaacaa     2220

```

ccacaaaatc	taaaaattag	ctgggtgtgg	tgggtgcatgc	ctgtgatcct	ggctacttca	2280
gaggetgagg	tggaaggatc	acttgaggcc	aggagtttga	ggctgcagtg	agttatgatg	2340
gcaactgctgc	actccagcct	gcgggacaga	gtgagaccct	gtctgaaaga	aagagagaaa	2400
gaaagaaaga	aagagagaga	aagaaagaaa	gaaagaaagg	gaaagatgga	aggaaggaag	2460
gaaaaagaaa	gagaaagaga	gagagagaga	aagaaaaaga	aagaaaagta	agaaagaaaa	2520
aagaaaaaga	aagaaaagta	agaaag				2546

<210> 5430  
 <211> 1785  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)...(1215)  
 <223> similar to gi5732618 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5430						
tcatgacctt	tgaactctat	gaggaatttc	ttcgagctat	gggccttcag	gagaggaagg	60
agacaatccg	tgggtgtatac	tctgtgattg	atcaactctc	ccgaactcat	ctcaatacac	120
tggaaagcct	catctttcat	ctagtcagga	ttgctctgca	ggaagacact	aatcgaatgt	180
ctgctaattgc	tttggccatt	gtgtttgctc	cctgcattct	ccgctgccct	gacaccactg	240
accactaca	aagtgtacag	gacatcagta	agactaccac	ttgtgtggaa	ctgattgttg	300
tggaaacaaat	gaataaatac	aaggctcgtc	tcaaagatat	cagtagcttg	gaatttgctg	360
agaataaggc	aaagaccagg	ttgtcactga	ttcgtagatc	aatgggaaag	gggcgtattc	420
gtcgaggaaa	ctatccaggt	ccatcgtctc	ctgtttagt	tcggttgctt	tctgtgtctg	480
atgtctcaga	ggagaccttg	actagttagg	cagccatgga	gactgacatc	acagaacagc	540
agcaagcagc	tatgcagcag	gaggagagag	tactgactga	gcagattgag	aacctacaga	600
aggagaagga	ggagctaaca	tttgagatgc	ttgtactgga	accccgtagc	tctgatgatg	660
aaacccttga	gtctgaggcc	tccattggga	ctgctgatag	ctcagagaat	ttgaatatgg	720
agtctgaata	tgctatctct	gagaaatcag	aaagaagctt	agcccttagc	tccctgaaga	780
cagctggcaa	gtctgaacct	tccagcaagt	tgcgaaagca	acttaaaaag	cagcaagact	840
cttttagatgt	cgtggactct	tcggtctcct	ctttatgtct	gtctaacacg	gcacatctc	900
atgggaccag	aaaactattt	cagatttatt	ccaaatctcc	attctaccga	gctgcctcag	960
gtaatgaggc	cctgggaatg	gaaggaccat	tgggccagac	caaattcctg	gaagacaagc	1020
ctcagttcat	cagcagagga	accttcaacc	cggaaaagg	caaacaaaaa	ttaaagaatg	1080
tgaaaaactc	acctcagaaa	accaaagaga	ccccagagg	gacagtcatg	tctggccgca	1140
gaaaaactgt	ggaccagac	tgacacctca	accaacagct	agcactcttt	ggaaataatg	1200
aatttatggg	ctgaaccggc	agatgtgtgt	ccctccgtgg	ctacagagtg	gtaaacaaat	1260
ctcacctttg	gggctgcgtt	tcatcacctc	gtccacaata	gtcaatccta	attgtggtcc	1320
tgcctctttt	ctaagcatat	ggctaagact	gtatgtgctg	aattcctggg	cctcctgcag	1380
aagcagaaag	cctgctgggg	atggtgccag	ctgtgccttg	gctgttgtat	ttgaattgag	1440
atttttacta	tacaaagcca	cctagggcct	ggggatttgg	gtcagttgta	gttgccctctc	1500
ccccaccctc	ttttcccttc	ccaaagggtg	gtgttgaact	aggggggata	ttgtgtcct	1560
gagggaccct	ctcatttctg	acatttgaag	aaaacgtata	aatctttctt	aaccgtgaaa	1620
gcaaaaagcct	ttgggtttat	tttgggatag	ttaggagcta	gggtagaata	taattttttt	1680
ccaaaaactt	acttacaaac	aaaaagccta	atccctctat	tttaagattt	ctgaaaaaac	1740
actccactcc	atgttatatt	ctgggggaaag	caaaaacaaa	aaaaa		1785

<210> 5431  
 <211> 881  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (6)...(401)  
 <223> similar to gi203363 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5431

atgatattct	acaggtgggt	tctcaaggct	ggaagtactt	caaggggaac	ttctattact	60
tttctctcat	tccaaagacc	tggtatagtg	ccgagcagtt	ctgtgtgtcc	aggaattcac	120
acctgacctc	ggtgacctca	gagagtgage	aggagtttct	gtataaaaaca	gcgggggggac	180
tcatctactg	gattggcctg	actaaagcag	ggatggaagg	ggactgggtcc	tgggtggatg	240
acacgccatt	caacaaggtc	caaagtgcga	ggttctggat	tccaggtgag	cccaacaatg	300
ctgggaacaa	tgaacactgt	ggcaatataa	aggctccctc	acttcaggcc	tggaatgatg	360
ccccatgtga	caaaacgttt	cttttcattt	gtaagcgacc	ctatgtccca	tcagaaccgt	420
gacaggacag	gctcccaagc	tcactctttg	agctccaacg	cttggttaaac	atgaggaaat	480
gcctctttct	tccccagact	ccaggatgac	tttgcacggt	aatttttctt	gcttcaaaat	540
tgtccacacg	tggcattctg	gagtcctgt	gtcttggtg	gaaattctct	gacgtcttgg	600
aggcagctgg	aatggaaagg	agaattcagg	ttaaagtggg	aggggtgggt	agagaggatt	660
tagaagttcc	aattgccttg	ctaaggagga	tcaagaccgg	taatccggca	caacaccctg	720
gggttttcca	ctctttcaga	gaaacctcag	cttcattcaca	tcaaagttac	tccagagcaa	780
ccaagcaatt	ctcctgatat	tgtcatccag	ggcttttctt	ggccaaaccc	cctagaattt	840
ccatgtctct	gcttagctgt	gctggcagct	agcagctggc	a		881

<210> 5432  
 <211> 1617  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1618)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1134)...(441)  
 <223> similar to gi2677843 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5432

ttttttttta	aagattttta	tagaatagat	gctttatgta	aaatattaaa	cataaaagga	60
caaactgaca	tttattccct	gagtcctgtg	acctgagatg	taaatgaggg	agccccantc	120
ctataaatta	aaattgggtg	tgtgggtatt	atcccataga	agcattgcca	tatccccag	180
atgcctaggg	aacagaaaag	gtgggtgtgc	ccaacaaaca	caatcctacc	ctcccagaaa	240
acgcccaccc	tgaccttttt	attgtcgaaa	ttaaaaaata	aaagatactt	aaatacaacg	300
gtgaacatat	agggcaaaac	agaatcataa	aatttaatgt	tgagttaagc	agtgaagtga	360
atgtctaggt	ctccaaattg	gctttgaacc	caaaaccact	taaaaacaag	tatgttcaca	420
gttaacggca	attggcttat	aggtgagaga	atggtcgaag	ttgttccagt	tgaacttcca	480
gggaaattct	ctcctcaaga	acatccttta	attgttgctg	caattcgcta	ttcaatctgg	540
ccaaaacggg	gttgggtttc	ttattacgtc	taattgatgc	ctgaatagct	ttcttatctt	600
tcccaacaga	tctgggaata	gaagggtgtg	atgcaagaac	agcagctaag	acacccgtct	660
tttgtgtatg	ttcatcaact	tctggcctta	attcatcttc	tgattttaat	cttcttcgaa	720
cagggttagg	tgggtggagc	agtgggtgtg	tgcctttgct	cacattggca	ggagcactag	780
cagctgtctt	ttcttcagtt	ttactatctg	ttttggcaac	tgaagagaa	cttgcaggat	840
cagaagcttt	ttcagccggc	aggacttctg	gatgtttctc	ggcttcatca	tcttgttcgt	900
cgtttacatt	tgatgcagca	aatacttcaa	actgactgaa	atctgcaaaa	tttgggtgct	960
ctggatatctg	ctgaggtgag	gtactagtgt	gagttatgag	gccatcggca	tccactgggc	1020
gatgcacagc	aggaccagga	gcctgtgagg	gctgtgggtct	tggaggcact	gcaggaggat	1080
gggcaacaac	tccagcctgt	tgttgtcctg	catgaatata	aaagttcttc	tttttagtaa	1140
ctgtataatc	actttgttaa	tagaagaaat	aggctgaatg	aatgtgacta	catgataaag	1200
atttctaaga	atgtttgtta	agtattagaa	ggcaagtact	aacttggtac	atggtctgta	1260
tgtaacctaa	agaccaaata	tcacagcctt	tcacagatc	tcactttgct	tcttacctct	1320
attacatgaa	gccctcctgg	catactcctg	cctattccca	taatagcaaa	caatcttgat	1380
tttcttcgtg	tatctctgac	tgtgttttag	gtatcaaatg	aaaacttcca	aattttccct	1440
ttcacttaac	acttcacttt	tcctcaccat	tctaaactca	cagtgaacta	aacataactt	1500
catcatcctc	tgccttaact	tttctatttt	aaccaaggta	acaacaatac	tgccagttct	1560
tcaaaaatta	aaaacctggg	taagttatga	ctcttcttct	tcacagcca	aattgag	1617

<210> 5433

<211> 1201

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (108)...(328)

<223> similar to gi2879865 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5433

gcgtccgttc	aataaagatc	tcctcagag	ataaggatgt	agacttataa	gcaggacaag	60
actattcatc	ttcttagcat	tttactgogg	cgcccatcga	cttataaatg	gctgttgctg	120
atgggagagg	agtgttatct	ggaaggttta	aaggtttaga	tctctggaac	acattcttaa	180
tggaacatca	caaaagatca	attccaaggg	acacctggaa	cctcctgctg	gactttggaa	240
acatgattgc	ggatgatatg	tctaactacg	atgaagaagg	agcttggccc	gttcttatag	300
atgattttgt	agaatatgca	cggccagtag	tcacaggtgg	aaaacgcagc	cttttctagg	360
cagcaagtta	agcaggagta	agattatgaa	atgattttgt	tcctgcaagg	agattgcagt	420
cagttcctgg	gtgcattgtc	gctgattcca	gaagtcattc	ttgaccagcc	atgaaaccag	480



aggcgccatc	ccattctgcc	ggaggacagc	cagcggtgc	tttgtggaca	ccgcaggaag	540
ttcctcgga	cacggctgct	ttgggatgtt	tggagatttg	tcatcatagc	ttttgcgtta	600
ggaaatttct	gcatgatttt	ttaatattta	caaaatacta	aggtagagcc	atagcgccgc	660
ctgtgggacc	gcagagcatg	ctgcgtagct	cgcgcgtcag	gcgaaccagc	gtccggcagc	720
gtcccgcga	atgacgttgc	ggtggcactg	gcaacacggc	atgtgtcctc	tgcagggcgc	780
tgggttttta	tacacgtcaa	agctgttaag	aatgtgcctt	aagggagagg	atcttgtcgt	840
agagtcta	gttttttaaa	attggtgcc	gcaattcacg	atttatattt	tttgaattac	900
caaatactta	gatttaccag	ctctattttt	gttttcattt	tctctagaca	ttcatctgaa	960
aatcatttta	tggttctcaa	tccccatgta	gctttgcata	gcaacggcac	acgtggcacg	1020
attccagcag	agtttatctc	acaccgttta	tatatcactg	ggcctctctt	acttaaatat	1080
tatttgacct	gcctgagaag	cttcataaag	tatgtttttt	taaaatatat	tttaattaca	1140
tttaaaaaga	cattttttcca	tgaaaaacat	ttattttatg	agtgatgaat	tatagatttt	1200
a						1201

<210> 5434

<211> 958

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (959)

<223> n = a, t, c or g

<220>

<221> misc\_feature

<222> (2) ... (426)

<223> similar to gil50149 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5434

tgctaaaatc	ttggattatg	gaaaatttaa	gtatgaaaga	aagaaaaaac	aaaaagttga	60
aaaagaaaa	caatctttca	caaacaatag	agaaattcgt	ttatcttttg	gaatcaattt	120
aaatgatata	aaaatcaaag	caaaaaaagc	caaagaattt	ttattagata	acgacagagt	180
aaaagtggct	cttcgtctta	gagggcgtga	aaatacaaga	cctgaacaag	gtaaattaat	240
tttaaattct	ttttttgatg	aagtaaaatc	gattgcaaaa	ttaagtaaag	aatgcaatc	300
agttggta	tttttaactc	ttcatattga	acgtgataag	aaaaaattac	ccaaatttac	360
ttcttcaaaa	caaataaagg	aattaattga	ttttgaaaaa	actataaagg	aagaagaaac	420
taatgcctaa	agcaaaaaca	aaatcagcac	ttnnnnnnnn	nnnnnngggg	gggcggtttt	480
aaaggatcaa	agtttacttc	cgcgtgcttg	caaggtaaaa	gtttttttat	ggggccccca	540
aaattaattc	ccggggccgg	ggtttaacaa	cggggggagg	ggaaaaaccc	gggggttccc	600
cacttaa	atg	gcgcgcgtgg	gaaagnnnngn	tnnnnnnngn	nggnntgtgn	660
ttgtgtgtg	ttgtgggtgg	gtgtgtgggt	ggggggttnn	nnnnnnnntt	ggtggggggt	720
gtgtgggttt	ttgtgtgtgg	gggggggttg	tgggttnngg	ggttgggggt	gtgtgggtgtg	780
gggtggggcg	cgtgtggtnc	tctgttcttg	ccgcgggcgg	cctcgccttc	ttcttttttg	840
ggcccccttc	tgccccgggc	cgggttcccc	gccggggcgg	tgcccccg	gcccccttcg	900
tccgtctgct	cgtctcgtc	gcgggcccc	ctctcctcc	ctcttgtgtt	gcgcctcc	958

<210> 5435  
 <211> 1885  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (10)...(1145)  
 <223> similar to gi3766209 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5435  
 cggacgcgtg ggcggggcagt ggctgtcaag cggctcctcc gcgagtgctt tggcctgggtt 60  
 cggcggggaag ttcaactgct gcaggagtct gacaggcacc ccaacgtgct ccgctacttc 120  
 tgcaccgagc ggggacccca gtccactac attgccctgg agctctgccg ggcctccttg 180  
 caggagtacg tagaaaaccc ggacctggat cgcgggggtc tggagcccgga ggtcgtgctg 240  
 cagcagctga tgtctggcct ggcccacctg cactctttac acatagtga cccggacctg 300  
 aagccaggaa atattctcat caccgggcct gacagccagg gcctgggcag agtgggtgctc 360  
 tcagacttcg gcctctgcaa gaagctgctt gctggccgct gtagcttcag cctccactcc 420  
 ggcacccccg gcacggaagg ctggatggcg cccgagcttc tgcagctcct gccaccagac 480  
 agtcctacca gcgctgtgga catcttctct gcaggctgcg tgttctacta cgtgctttct 540  
 ggtggcagcc acccttttgg agacagtctt tatgccagg caaacatcct cacaggggct 600  
 ccctgtctgg ctcacctgga ggaagaggct caccgacaagg tgggtgcccc ggacctgggt 660  
 ggagccatgt tgagccact gccgcagcca cgcacctctg cccccagggt gctggcccac 720  
 cccttctttt ggagcagagc caagcaactc cagttcttcc aggacgtcag tgactggctg 780  
 gagaaggagt ccgagcagga gcccttggtg agggcactgg aggcgggagg ctgcgcagtg 840  
 gtccgggaca actggcacga gcacatctcc atgccgtgc agacagatct gagaaagttc 900  
 cggctctata aggggacatc agtgcgagac ctgctccgtg ctgtgaggaa caagaagcac 960  
 cactacaggg agctcccagt tgagggtgcga caggcactcg gccagctccc tgatggcttc 1020  
 gtccagtact tcacaaaccg ctcccccagg ctgctcctcc acacgcaccg agccatgagg 1080  
 agctgcgcct ctgagagcct ctccctgccc tactaccgcg cagactcaga ggccaggagg 1140  
 ccatgccctg gggccacagg gaggtgaggt gggctggatg ccacacagat ggtctccgtg 1200  
 ctggctcact gaaagagctg agcctgtggc tggcctcaga atcaggctgg gtgcagtggc 1260  
 tcacacctgt aatcccagca ttttgggagg ctgagtga ga ggatcacttg agctcaggag 1320  
 ttcgagacca gcctggccaa catggcaaca cccatttctt acaaaaaatt tgtaaaatta 1380  
 gccaggcatg gtggcgcacg cctgtagtcc cagctgcttg ggaggctgag gtgggagaat 1440  
 cacttgagcc caggagtctg aggctgcagt gagccaggat catgccactg cactccagcc 1500  
 tggtcacag agagacactg tcacccctt tccccacaa gactggcaga ggctgggcag 1560  
 cctggggctg atgaagcaga gatgttcgct ggatcccagg ccctggcacc cctcaggaaa 1620  
 tacaagaaaa agaatttca catctgttta atgtgcataa agccaaggaa aggacagttc 1680  
 cgaattccct aaaaaaaaaa accaaaaaag gacgagggct cggaccggac ctgagatata 1740  
 aaacttgaa taaggggggg ggggggggtt tagaaaaaaa aacccttact tgggctgggg 1800  
 gccggggatt ttttttttga ttccggattc aaactttgac tcgggggggg gcttctttcc 1860  
 ctaggggggg aagaaaaacc gcccc 1885

<210> 5436  
 <211> 621  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(622)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (16)...(100)

<223> similar to gi3002588 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5436

cgcttcttgt	gcaaaaagac	gcgtgaggac	ggctggtaca	aggggaccct	gcagcggaac	60
ggccgcacag	gcctcttccc	gggcagcttc	gtcgagagct	tctgagaact	ggtgctccct	120
gcacccagct	cacagagggg	gaggccgcct	gggaagctcc	acggcacaca	gagagggagc	180
catggcgccc	caagggttcc	aggtcatctc	caaggcacct	ggcgggggat	accctggccc	240
aggggtgggg	ccagggactg	tggaggtcgt	gccttctccc	aaaaccccca	aacgggagagc	300
acacctggga	tggtcttcaa	ggaaatgccc	acccctctg	tggaaactgc	aaagaaagca	360
ccttgaggaa	gagaggcagg	tgccggcgca	ggcaggcctg	tggtgtggt	ttgcagccat	420
ggcagcgctc	tcatttacca	cctaagcagg	gttggagggt	gcaggaggtc	tgcaggcgag	480
gtgggtggca	tgggggccag	gagcgctgga	gatcatcttt	ctgggctgcc	ctgggcttcc	540
cgcggngccc	aggttgctct	gtcaccattc	tatatacctc	agtcacctgc	cgcccggctg	600
ctcancnaag	ggtgtttgag	g				621

<210> 5437

<211> 1337

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1338)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (305)...(1048)

<223> similar to gi1065454 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5437

caccctgtta	tccatttctc	ttgtgttttg	gataatataa	gtacttacat	tttgttcggt	60
gaatatgctg	atggaagttt	tcttcagtc	tagatacatt	caacccccaa	gtgtcagagg	120
catgttctgt	atctaaatat	agcaccta	ctccattgtc	agatttgtct	catgaggaag	180
aatgcctgtt	gtcactcctt	ctgggggaata	atgccaagca	gctgttgagg	caacgttgctc	240

cttaacaggt	ccattccaaa	gctgttttct	tcatacctga	gccttctgca	cgggtgacact	300
gatttttccc	catttttcagg	gagctgtgat	acacaagttg	ggcatcacct	tgggtgtctct	360
ccttttgttt	ttgacgctaa	cgaagacctt	tcctgtcacc	tgcttgttg	atgactgggt	420
tgtccataaa	gcaagctttc	cggctcgact	ctgctactta	tatgttgca	tgcaagcctc	480
aaagcccaag	tattactttg	catggacatt	agctgatgca	gtgaataacg	cagctggcct	540
tgggttcagc	ggagtggata	agaatgggaa	tttctgttg	gatctgcttt	cgaacctaaa	600
catctggaaa	attgagactg	ccacaagttt	caaatgtac	ttggaaaact	ggaatattca	660
gacagctact	tggctaaagt	gtgtgtgcta	tcagcgggtt	ccatgggtacc	ccacggtgct	720
aaccttcata	ctgtctgctt	tgtggcatgg	tgtctacct	ggatactatt	ttaccttctt	780
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tttattttgt	tcttttttaa	agtgcaggga	gtannnnnnn	nnnnnnnnnn	nnnnnnnnng	1260
aaaagggtgc	cctttttttt	cccaaatttg	gaataaaatg	gggagaacct	ggattttttg	1320
aagtcccccc	tccccgtt					1337

<210> 5438

<211> 2370

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (94)...(1453)

<223> similar to gi2988399 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5438

ggtggaattc	attattgtta	cgtcttccag	ctcatgcatt	ccaacctctc	ccagcccctt	60
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ttctgtttta	tgccagggac	tgtgatgatt	cgggtgtgta	ctcagctgac	agagaaggac	180
ctcaagtacc	ggctgcaggc	gtccagggcc	aagtccatta	tcaccagtga	ctccctagct	240
ccaagggtgg	atgccatcag	tgccgaatgc	ccctccctcc	agaccaagct	gctggtgtca	300
gacagcagtc	ggccaggctg	gttgaacttc	agggaactcc	tcggggaggc	ttctacagag	360
cacaactgca	tgaggacaaa	gagtcgagac	ccgctggcca	tctactttac	cagcggaacc	420
accggggccc	ccaagatggt	cgagcactcc	cagagcagct	acggactggg	ttttgtggcc	480
agcggaagac	ggtgggtggc	cttgaccgaa	tctgacatct	tctggaacac	gactgacact	540
ggctgggtga	aggcagcctg	gactctcttc	tctgcctggc	ctaattggatc	ttgcattttt	600
gtgcatgagc	tgccccgagt	tgatgccaaa	gttatcctga	atactctctc	caaattcccc	660
ataaccaccc	tctgctgtgt	cccaaccatc	tttcggctgc	ttgtgcagga	ggatctgacc	720
aggtaccagt	ttcagagcct	gaggcactgt	ctgaccggag	gagaggccct	caacctgac	780
gtgagggaga	agtggaaaca	ccagactggt	gtggagctgt	acgaaggcta	tggccagtct	840
gaaacggttg	tcattctgtc	caatccaaaa	ggcatgaaaa	tcaagtctgg	atccatgggg	900
aaggcgtccc	cacctacga	tgtgcagatt	gtggatgatg	agggcaacgt	cctgcctcct	960
ggagaagagg	ggaatgttgc	cgtccgtatc	agaccactc	ggccttctg	tttcttcaat	1020
tgctatttgg	acaatcctga	gaagacagct	gcatacgaac	aaggggactt	ttacatcaca	1080

ggggaccgag	ctcgcatgga	caaggatggc	tacttttggg	tcatgggaag	aaacgacgat	1140
gtgatcaatt	cttcaagcta	ccggatcggg	cctgttgaag	tggaaagtgc	cctggcagag	1200
catcctgctg	tcctggagtc	ggctgtgggc	agcagcccag	accccatcag	gggagagggtg	1260
gtaaaggcat	ttatagtcct	tactccagcc	tactcctctc	atgacccaga	ggcactaacg	1320
cgggaactcc	aggagcatgt	gaaaagggtg	actgctccat	acaaataccc	caggaagggtg	1380
gcctttgttt	cagaactgcc	aaagacgggt	tctggaaaga	tccaaaggag	taaattgcga	1440
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cacaagaaac	taatggatca	ctggtcagtc	cccatgggga	gcatcatctc	ttcgacccta	1560
aagatgtcaa	aggtgtgcag	cttccaaacg	gcatccccag	gatcactggg	caatgctgga	1620
aagagcaaaa	gaatatcatt	ggccctgac	acatagatgc	tgcgccgcct	agcaaagtct	1680
tgggtggttcg	acttctccct	ctgtctgggg	gcaggctcag	catctgcccc	ctggtctcac	1740
taagagcttt	cagatttccc	tccataggac	aggttaccat	agacttgggg	cacttgtggg	1800
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caccacaaaa	gaaaaaaatc	aaaatgcaga	aaatgtgtgg	tgcactaaga	tgatcacaca	1980
gcattaaaaac	taaaaaaaaa	aaagaaaaaa	ttaacaatta	acatccaaac	aacaaggaaa	2040
tgattaacaa	aattgtagta	gattaactca	attacatatg	atgtagccac	taaaatattt	2100
gagagcagtt	tagtatgtct	tgggaaaagt	gtaagctata	ttaattttta	aaatcagagc	2160
aaaaatattc	atactggaga	atcccaactc	tgaaaaataa	agggaaaact	gtggttaatt	2220
gtaatcctcc	tggagattga	ggagggaggg	agagaaaata	atggatggta	gtttttcttc	2280
ttcctttttc	cattacattt	ctgtattttc	caagtttttg	tacgaagcac	atacaactat	2340
tttaatgaaa	aagttatggt	aaagaaaaaa				2370

<210> 5439

<211> 1564

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (150)...(820)

<223> similar to gi2645229 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5439

agtgtggtgg	aattcgtgaa	cttgaagcac	ttgcaacttt	gtaccagaaa	caaaataaat	60
atgaacaagc	tgaacatttt	aggaaaaaat	cctttaaaaat	tcatcagaaa	gctataaaga	120
aaaaaggcaa	cttgtacgga	tttgcccttt	tacgtagacg	ggctttacag	ttagaagagc	180
ttacattagg	taaggacaca	cctgataatg	ctcggaccct	caatgaactg	ggtgttctct	240
actatcttca	aaataacctg	gaaacagctg	accagtttct	gaagcgttcc	ttagaaatga	300
gggagcgagt	tctaggacca	gatcaccttg	actgtgctca	gtctttgaat	aatctggcag	360
ctctatgcaa	tgaaaagaaa	cagtatgata	aagcagaaga	actttatgaa	agagctttag	420
atattcggag	acgtgcatta	gctcctgac	acccttcttt	ggcatatacg	gtgaagcatc	480
ttgccatctt	gtataagaaa	atggggaaac	ttgacaaagc	tgtacctttg	tatgaattgg	540
ctgttgaaat	tgcacagaaa	tcttttggcc	caaagcaccc	tagtgtagct	actgccttgg	600
tgaacttagc	tgttctttat	agccaaatga	aaaaacacgt	tgaagctttg	ccattatatg	660
aaagagcatt	aaagatttat	gaagatagcc	taggtcggat	gcatcctcga	gttgagagaa	720
cactgaaaaa	tttagctgtg	cttagctatg	aaggaggaga	ttttgaaaaa	gctgctgaat	780
tatacaaaag	ggcaatggaa	ataaaagaag	cagaaacatc	actcttgggt	ggaaaagctc	840
cttcacgcca	ttcatcaagt	ggagacacgt	ttagcttaaa	aacagctcat	tctcctaattg	900

ttttccttca	gcaaggacaa	aggtaatagc	agcagttaga	attcctttgca	aatgtacctt	960
aagacaaaat	aattaaacat	ttggaacatt	tgaatttgaa	actttaaaaa	aatgttgtag	1020
gaaattttac	tacgtgtgat	ttactgcta	tttgatgaa	gttgatttg	attacattaa	1080
gttggaattg	tgattatgtc	tgttttagtt	gtttaaaaga	attttcctat	tatatgggat	1140
ccaaggatgt	agacacatta	gaattataag	aagacatgag	gagcaaatca	tgaagagcgg	1200
attggtcttt	gttcaacaag	agctggcaga	gtagttaaga	caaggagttc	aaaaattcca	1260
tgaatcttgg	ccaggcatgg	tggtcatg	ctgtaatccc	accactttgg	gaggggtgatg	1320
caggaggatc	acttgaggcc	aggagttgga	gaccagcctg	gccaacatgg	tgaaaccctg	1380
tctctactaa	aaatacaaaa	aaaaattagc	tggacctggg	ggcgcatgcc	tgtaatccta	1440
gctactcagg	aggctgaggg	atgagaatcg	cttgaactca	gcaagtggag	gttgctatga	1500
gctgagattg	tgccagttca	ttccaccctg	ggcaacaggg	tgagactctg	tctcaaaaaa	1560
aaaa						1564

<210> 5440

<211> 908

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (15)...(677)

<223> similar to gil89044 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5440

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gcaagggctt	caccagacaa	tccaagctca	cggagcactt	gcgcgtgcac	agcggggaga	180
gaccttcca	gtgccagag	tgcaacagga	gcttccgcct	gaaggggcag	ctgctcagcc	240
atcagcgcct	gcacacggga	gagaggccct	tccagtgtcc	ggagtgcgac	aagcgctatc	300
gcgtgaaggc	cgacatgaag	gccaccagc	tgtgcacag	cggggagatg	cctttctcct	360
gtgagtgcgg	caagggtttt	gtgaaacact	caaagctcat	cgagcacatc	agaacgcaca	420
cgggagagaa	gccttttcag	tgtcccaagt	gtgacaagag	tttccgcctg	aaggcgcagc	480
tgctcagcca	tcagggcctg	cacacagggg	agaggccttt	tactgcctc	gagtgtgaca	540
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cctttgcctg	tggcgattgt	gggaagggtc	tcatttacia	gtctaagctt	gcgagacaca	660
tcagagtaca	cacaaaatcc	tgtcctgtct	caaatgaact	ggacattaag	aaaacgctca	720
gccaactggt	tgcaatgata	gaggccgatt	ggagttaggg	cagagtggga	catccaaagc	780
gttgagcagg	attggtattg	cccaggaatc	cacagcaaca	gtagccagac	ccgctggtag	840
acgggtttta	ggagcaggta	tccttctttg	agcaagagt	tcatgcaagt	taggaatatg	900
aagaacca						908

<210> 5441

<211> 2355

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (38)...(668)  
 <223> similar to gil708767 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5441

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actctcctat	ctgaataaag	cgaagtggct	ggaaatgtat	ggggtagaca	tgcacgttgt	120
caggggaaga	gatggctgtg	aatattctct	tggactgacc	ccgacaggca	tattaatctt	180
tgaaggagct	aacaaaatag	gcttattctt	ttggcctaaa	attaccaaaa	tggattttta	240
aaagagcaaa	ttgacactcg	tgggtggcga	ggatgatgat	cagggacgtg	agcaagagca	300
cacgtttgtg	ttccggttag	acagtgccag	gacctgcaaa	cacctttgga	agtgtgcagt	360
tgagcaccac	gcattcttcc	gactgcggac	gccaggaaac	agcaaataca	atagatccga	420
ctttatcagg	ctgggctctc	gcttcagatt	cagtgggcgg	acagaatatc	aagctacaca	480
tggctccagg	ttacgaagaa	ccagcacctt	tgagaggaag	cctagtaaac	gttatccatc	540
ccggagacat	tcaacgttca	aagcaagcaa	cccagtgata	gcagcccagc	tctgctctaa	600
aacaaatcca	gaagtccata	attaccagcc	tcaatatcat	cctaatatcc	atcccagcca	660
gccccggtgg	catcctcact	ctccaaatgt	caggccatcc	tttcaggatg	acaggtegca	720
ttggaaagca	tccggccagt	gagatgacag	ccattttgat	tatgtccacg	accagaacca	780
gaagaactta	ggagggatgc	aaagtatgat	gtatcgagat	aaactcatga	ctgcactttg	840
agagactgaa	gcattctctc	tccattcacc	ttcatagttt	cattgcattc	catgaaaagt	900
gtcttggcct	cagatggatg	gatgtgtttg	gacgagtgtc	tttaaggagt	agtcctgaaa	960
ggtgtttttg	gtgtccatgt	aaatatttga	agataaaacc	actatagctt	gtcataattt	1020
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gattttaaaa	ttggagtcga	agtctatggt	tatcatttta	ctatgttcct	gatgttcttt	1140
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tcattttccc	ttcattgacc	tcattttccc	catctgaaaa	gagaggggtg	gactaagtga	1320
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gttgaggaca	tacattcaaa	ctaattttat	cacaaggaaa	actgcaatac	ccacttcctt	1440
gacagagtta	ctcctttcag	aagctaaata	aagtatataa	cttattagat	gttatataga	1500
tacaggggga	ctttgaattt	cacatcttaa	agcagttgag	ctactttgaa	tttaagcagt	1560
cgtactaatc	ttaaattgca	tagcatttgt	tttgatcgaa	tttgctgctc	aagtatggga	1620
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tgtgaataca	cactgtcaga	attgggggat	tggttttttac	cctagacttc	actcttaaaa	1740
agcaacgtgc	aatcaagatc	atztatggct	caaatgaaag	catataaggt	tttcttgaag	1800
ttgtgccaaa	gcattctgta	gagtaggatg	agatggttgt	tgccctagtc	tgttggtaga	1860
accagaaatc	aatatgttgt	cttttaggtt	aaagcttgta	ccaaaatatt	tatttcccc	1920
atttcaagcc	ctgagtcaaa	catttttttc	tcttaataat	agacctgaaa	tgttttatta	1980
gtatttctgt	gaaatcagtt	gattcttgtg	ccatttttgt	atatgtaatt	gtaattttgc	2040
ccatgttagg	ccctctaaaa	aatgtttgac	atcctttgag	atattttatt	actaaaatct	2100
gactcttttt	ggctactgca	aaaatctatt	cagcaagaag	gtatcagctg	cataccttgc	2160
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tttagcagac	gttctgagtc	tcagtgtatg	tgctgcatac	aaataaatgt	gttctgaatc	2280
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cttttaaaaa	aaaaa					2355

<210> 5442

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<211> 1510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (96)...(436)
<223> similar to gi4454453 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5442
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agaaggttac gccacagagt gtgaatagtg gaaaaacctt cagcatatgg aaactgaatg     180
atcttcgtga cctgacacaa tgtgtgtcct tgttcttatt tggagaagtt cacaaagcgc     240
tctggaagac ggagcagggg actgtcgtag ggatcctcaa tgccaacccc atgaagccca     300
aggatgggtc agaggaggtg tgtttatcta tcgatcatcc tcagaagggtc ttaattatgg     360
gtgaagctct tgacctggga acctgtaaaag ccaagaagaa gaatggagag ccgtgcacgc     420
agactgtgaa tttgcgtgac tgtgagtact gtcagtacca tgtccaggct cagtacaaga     480
agctcagcgc aaagcgtgcg gatctgcagt ccaccttctc tggaggacga attccaaaga     540
agtttgcccg cagaggcacc agcctcaaag aacggctgtg ccaagatggc ttttactacg     600
gaggggtttc ttctgcctcg tatgcagctt caattgcagc agctgtggct cctaagaaga     660
agattcaaac cactctgagt aatctggttg ttaagggcac aaacttgatc atccaggaaa     720
cacggcaaaa actcgggaata cccagaaga gcctgtcttg ctctgaggag ttcaaggaaac     780
tgatggacct gccgacgtgt ggagccagga acttaaaaca acatttagcc aaagccacag     840
cttcagggat tatggggagc ccaaaaccag ccatcaagtc catctcggcc tcagcactct     900
tgaagcaaca gaagcagcgg atgttggaga tgaggagaag gaaatcagaa gaaatacaga     960
agcgatttct gcagagctca agtgaagttg agagccagc tgtgccatct tcatcaagac    1020
agccccctgc tcagcctcca cggacaggat ccgagttccc caggctggag ggagccccgg    1080
ccacaatgac gcccaagctg gggcgagggt tcttggagg agatgatgtt ctcttttatg    1140
atgagtcacc accaccaaga ccaaaactga gtgcttttagc agaagccaaa aagttagctg    1200
ctatcaccaa attaagggca aaaggccagg ttcttacaaa aacaaaccca aacagcatta    1260
agaagaaaca aaaggaccct caggacatcc tggaggtgaa ggaacgtgta gaaaaaaaca    1320
ccatgttttc ttctcaagct gaggatgaat tggagcctgc caggaaaaaa aggagagAAC    1380
aacttgctta tctggaatth gaggaatthc agaaaatcct aaaagcaaaa tcaaaacaca    1440
cagggcatcc tgaaagaggc cgaggctgag atgcaggagc gctactttga gccactggtg    1500
aaaaaaaaaa                                     1510

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<210> 5443
<211> 3004
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2227)...(1995)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5443

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aacaccaggt	gtttccatca	gaactgacat	gcgggtcctt	cagtgaagct	tctagtgcct	180
ctgtcagtgg	aagagacagc	aagaccaagt	tcttcacagc	tctgtggcct	tctcctctag	240
gtttcacctg	catgtcaggt	atcatttcca	attttccttt	gtttcagttc	tggagcttct	300
gagccaggcc	tttctcaacc	acctctcctg	ctgctgaaac	ggggatggcg	ttttccctct	360
ccctgtcctg	gactgggggc	agactgtgcc	ccgaggagaa	gcagcagaga	ataggactac	420
gtcatgggca	tttctccac	ttatttgggt	attttggggg	ccacagaaca	atcctgacta	480
tcttagactc	ctcagagacc	tcagaggcag	ctgtgaatgt	ccctatgttg	ccgggagttc	540
ctgtttgaaa	tatttgaa	atagaggatg	ccacaagctg	actttcttca	tctaccttgg	600
tgatcttgaa	gcaaagaaca	gaactgatgc	tcaggccagg	ctcacctgta	gccttacgcc	660
gcaagcatat	gtgagggcgc	agctctgtcg	ctgaaggagc	gcttactcag	aggagcggtc	720
ggccccctct	tgggtgttaag	gtctcttagt	taacctggct	ttttgggtgca	gggtgtgatct	780
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ggataacaag	agcctttatg	ccaattatgc	actgaactct	gtgtagcctg	gtaatgttta	1140
tctgttcatt	tgataatgct	gatttttagt	tggtgcccc	ctccccccgt	taatgtgtgt	1200
tgatggtgaa	gtccttttga	taatgctgat	tttgggtgtc	tgccctcccc	ttcccccccg	1260
ttaatgtgtg	tggtgacagt	gaagtccctg	gggtggggcca	tgtgtgtgtt	tgtgatgttc	1320
cttaagtgtga	tgcagcttct	aacctctgtg	aaaacactgg	tcagagtggc	ttctccaaga	1380
gctggcagct	ctgtgaacta	aagcctgcac	catttttgtt	ctgggattga	attctgcca	1440
tgggcattgtc	ttctcatagt	tgcttctgtg	taggaagaa	atgggcgtgg	gtgctgcct	1500
ggaagctgag	cggaaagtgt	cctgtggttg	tggaagctg	atgagagctt	gagctggcgg	1560
taagaaggag	tctcccaggg	aagtgggaga	ggcattaagg	tgatggccag	ggctgagcct	1620
ccaccagcgt	gagaggggaa	atgtgggaa	tggccccctg	ccttgattcc	tctgcctcaa	1680
agttgggac	tgaaagccat	gtagggctag	aagaccctga	ggctgttctc	ccttctgttc	1740
atagtgaac	tcaaaaagcc	aagtcccaga	agttctgaag	ggctgtgact	agaagtgtcc	1800
aggctcctca	gggagcttta	agaatgaccc	cacagaactc	aagtttaact	aggggttagg	1860
tcccagatcc	agaccagga	gtttataaaa	atgagctcta	cttccagttt	tgggttaaat	1920
tacacatcca	ggccaggcac	agtggctcac	acctgtaatc	ccagcacttt	gggaggccag	1980
tgcgggcgga	tcatgaggtc	aggagttaga	gaccagcctg	gccaatgtgg	tgaaccctg	2040
tctcttccaa	aaatacaaaa	attagctggg	cgtgggtggc	cacgcctgta	atcccagcta	2100
cttgggaggc	tgaggcagga	gaatcgcttg	aacctgggag	gcagagggtg	cagtgaagccg	2160
agattgcgcc	accgcactcc	agcctgggtg	acagagttag	actccgtctc	aaaaaacaaa	2220
aaggtgacac	atccagctct	ttctccaggt	cactgcgctg	gaggacagat	gtgccgtctt	2280
gtcctgcctg	tttcacatca	gcataggatc	aaaggatgac	aatgctgaca	gcttctgaag	2340
ccgaactcaa	cagtctcata	ggctcctcac	ttgtcactta	tttttcccta	gtcctctcaa	2400
ccgcacccca	tccctttaga	tctgtcgtct	gttttagtga	ctctgacacg	atgccgtcct	2460
caccttccaa	atacccagtt	atttattcaa	gaggggggaa	gtgggttagag	gatgggatgt	2520
tttggaagca	ctttgcaagt	taccactatc	tgaaaatccc	ctgctgttgc	ggggagaagc	2580
tttgaatgca	ctgaagagaa	ttccttctaa	atgaaggcag	gtgatagtgt	tctttctgta	2640
agtaaaggga	aagaaaaaaa	acatagtttg	cttaccaggt	ggagacaaga	ttcaagacat	2700
agcagaagag	tggaaagacaa	atattttcca	cttaaatgag	gctgtttttg	acgttctctg	2760
ccaaggattt	agagctttcg	ttgaactaac	ataaaaggag	tgcgagtctt	agtagagatg	2820
ttccgtgtgt	gccgcccgtg	ctctgaactg	cgtttccacc	tgctgtgggtg	cttgtgcagc	2880
ctggcagttc	attgtcatct	ttaataaaact	aaggaaataa	aattctgtct	ttcgtcagcc	2940
tgccttgact	gtcaagaaat	ggcatgtgtc	cactgtaaag	caggtatatc	tgaacattga	3000
gaag						3004

<210> 5444  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(352)  
 <223> similar to gi4512282 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5444  
 ttctgtctta gctgggtttt ccttggtgct attttaaaag gtgtccaatg tgaggagcag 60  
 ctgggtggagt ctgggggaac cttggtacag ccagggcggt ccctgagact ctctgtaca 120  
 gcctctggat tcacgttttg tgattatgct atgagctggt tccgccaggc tccagggaag 180  
 gggctggaat gggtaggttt cattagaagc aaaccttacg gtgggacagc agaatacgcc 240  
 gcgtctgtga aaggcagatt cagcatctca agagatgact ccaaaagcag tgcttctctt 300  
 caaatgaaca acctaaaagc cgaagataca gccatgtatt actgtactag atctaagaga 360  
 tttctggctt accactttga ctcc 384

<210> 5445  
 <211> 798  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(799)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (216)...(501)  
 <223> similar to gil616675 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5445  
 ttctgtggaa ttacgccgga gtggagagtg tggaccgtga gtgtgggtat caggaggggc 60  
 tggatggagg cctgtgggtg ggtgaactgc gtctctctag ctacagcccc aggaagctga 120  
 aagccacga ggaaaaaatg tgggtgtcac tgggcaagat ggggataata ggaggcccat 180  
 gcaggaggca caagagccca accaactgtc ccatttttgc cctgaccttt gccctggtag 240  
 tcctggcctt tccgcctac ctgctgggca ttgacagcgg gcgactgcag gagaagctga 300  
 ccagccgcaa gatggacagc cgctggggcg ggcgcagcga gtccatcaat gtgacctca 360  
 acgtggagca ggcagcctac acccgtgatg ccctggccaa ggggctctat gcccgcctct 420  
 tcgacttctt cgtggaggcg agtggggctg gggctggaag gcagagtga tgctctgggg 480

tcacaaacat	ttatggaagc	tgagtgcagt	ggctcacggc	tgcaatccca	atgccttggg	540
tggttgagtt	gggagcattc	tttgaggcca	gaagttcaag	accagccttg	gcaacatagc	600
aagaccccc	tctctacaga	aatttcaaat	tagctgggtg	tagtgggtgtg	catgtgcagt	660
tccggctact	cagagggctg	aggttggggg	atcacttgaa	cccaggaggt	tggggctgca	720
gtaagctatg	aatgcgctat	tgtactccag	cctggacgaa	atcgtcgacc	cggccattgn	780
nnnncggtcc	ggcaggcg					798

<210> 5446  
 <211> 1173  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (27)...(444)  
 <223> similar to gi2746866 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5446						
ctgcacgaat	tccgcacgag	ctgcttctgt	gggatgtggt	gacaggacag	agtgtggaaa	60
gagcatctgt	ctccaggaac	gtggtcactc	acctgtgctg	ggtccccaga	gaaccataca	120
tactacagac	ctctgaagat	aaaacctca	gattatggga	cagtcggggg	ctgcaggtag	180
ctcatatgtt	tcctgcaaag	cagcacattc	agacctactg	tgaagtcagt	gtggatggac	240
acaagtgtat	ctcctgcagc	aatggctttg	gaggagaagg	ctgtgaagcc	acgttgtggg	300
acctaagaca	gactcgaaac	agaatatgtg	agtataaggg	gcatttcag	actgtcgcat	360
cctgcgtctt	tctaccaaga	gcattggcct	tgatgccttt	aattgctacc	tcatcacatg	420
attgcaaggt	gaagatttgg	aaccaagata	ctggagcctg	ccttttcacc	ttgtctctgg	480
atggatcagg	acccttgact	tctctggctg	ttggtgacgc	catctcctta	ttgtgtgcaa	540
gttttaacag	aggaattcac	ttactcagaa	tggaccacag	ccaagggctg	gaactgcagg	600
aagtggcagc	attctgaggc	caagagacac	tcactggaca	atatcaaacc	atggctcctc	660
ctcagcatgg	ctttgtgtct	ttcccagtta	tcttgagggg	agtgggatgt	agggctggta	720
ttctttgctt	aggttcattt	acaagatgta	tcagtgttgt	aagtccaata	atttaagtcc	780
agtgattcaa	aatcaggtat	agagtcacga	aacatggact	acacataagg	ttctctattt	840
aagttaaata	caaatgcaac	tttttagtga	gcttttagga	ctactcttca	aaaaaagtgt	900
attgctcaga	atgatgacct	gtaaatgtaa	gagtggcagg	cctctgtctg	tgaaagtcat	960
aacacagggc	tcgagcctct	ggaactgacc	ctttgcaagt	ctttacaaaa	gaaaaaaggc	1020
agtggggaga	gagagtgttt	tggttacatc	aggaaataat	tgagatggga	aagaatagtg	1080
cagctccata	gaggagacgg	actgtagaca	atgagattaa	gcttcagtca	ctgctcttca	1140
gcaatgtgaa	gaatcaaagt	cagggcctgt	att			1173

<210> 5447  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (13)...(362)  
 <223> similar to gi15061 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5447  
 ctgcgtgcag gaatacgccc ggcatttgcg gggcgatatt ttcacagcta tttcaggagt 60  
 tcagccatga acgcttatta cattcaggat cgtcttgagg ctcagagctg ggcgcgtcac 120  
 taccagcagc tcgcccgtga agagaaagag gcagaactgg cagacgacat ggaaaaaggc 180  
 ctgccccagc acctgtttga atcgctatgc atcgatcatt tgcaacgcca cggggccagc 240  
 aaaaaatcca ttaccggtgc gtttgatgac gatgttgagt ttcaggagcg catggcagaa 300  
 cacatccggt acatgggtga aaccattgct caccaccagg ttgatattga ttcagaggta 360  
 taaaacgaat gagtactgca ctgcgaacgc tggctgggaa gctggctgaa cgtgtcggca 420  
 tggattctgt cgacccacag gaactgatca ccactcttcg ccc 463

<210> 5448  
 <211> 862  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (863)...(523)  
 <223> similar to gi4490653 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5448  
 tttttcacac atgcagggag ttgtattaca ggaggggtaa cactgagctc agggactcca 60  
 ctgcttttat agcaaacagt aagcaagctt gctctctgtc ctgatgggag acatcccatc 120  
 atttttcaag gttgcttgct gcaacataac cctgagaaat gtcttggata aagagtgggtg 180  
 agagccttgc attcttggca tacttagcaa ggtgtgtagg agtacaagag cctcacagaa 240  
 aggagcctcc caatagatat gctctgtgaa atgatcagtg ctctctcatt ccatgccgat 300  
 gaccaacact tattaataaa cagttgatca agtaattcca gtgaaagaag aggatctctg 360  
 gaagtaataa aaattgctcc cttaattcat tcttcttttt tagtgccctc tgtctagtgt 420  
 tttttcaacc ataaaatatt ttttctttag gctcttcaat tttcttctaa aataataaaa 480  
 ttgtctttca tgggcctctg atgacttaac ttcttttttt tcttaggtag tctcccaggc 540  
 tctctgtggc ttccacacag atgctaggat acatgccctc agtgtaagtt gctaccagaa 600  
 gatacagatg ggtcttcacg acaaccacac cagtgttctc atttttggca taaagagaat 660  
 attcatctgc cggacacat ctgtaattct ttcccttgaa atacagtcct tctcttcggg 720  
 cttgcaaagg gttcttggca aatccattca ccagtgttcg gacatcactg ggcgttacat 780  
 tgaaacctgg tgatgtaca cacaagctcc gctcctggat tttgatgagg gctgcactgt 840  
 ccacatgctt ggttcccaag ag 862

<210> 5449  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (505)...(57)  
 <223> similar to gil45908 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5449  
 caggaattta gttgccgttc ttcccgcttg tcaggggcgg gtttttttat atctcagata 60  
 aatgcaaacg catcgccaaa caggcgatct tcccgcgcat tacgctcact gcaaaacaga 120  
 tcgcggggcaa ttttcgccat ctcaaaacgt ccggcaatat agatatcatg ctctgccagc 180  
 gtaccgtgat cctgcaatac cgccgttaac acggtgccag tacgcccacg ccagcccgtc 240  
 tccggttggt caaccaccgg caccacttgc agaccaggat gcttcaacga aagcgctca 300  
 agctcgcaga gatcatacag atgctgctct tcacgcccgc cccagtaaata ggtgatata 360  
 cggtttggtg tacgcgcaa cgctgtcagc aaaatcgagc gggcataaga gaaccgggtg 420  
 ccgcccga tcaaaatcat cggacgctct tcatcatcgc gcagccacgc ttctccgtgg 480  
 ggaatgtcga ccacgatttg at 502

<210> 5450  
 <211> 2873  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (305)...(1555)  
 <223> similar to gi468355 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5450  
 tcctgcgcg cggcagcca caggctggca tagcggtgc cgaccgccc tcgttcctcc 60  
 accccctgca cgggactgct gggcccgccc cgcccgccct gcaggtgaag cggccgcagc 120  
 cgccgagtag gtgcgtgggg atgatctcac tcgcgcgctc cgcgccagga ggaggaggag 180  
 cgggagcgga tccaacttcc gggtagtgga gccgcaagcc accgcatct tgctttttct 240  
 tccccctcct cctgtgtgcc ccgcgcgct ccctctttcc cttttattcc cggccccacc 300  
 cgcaaaaatg aacagctcgg acgaagagaa gcagctgcag ctcattacca gtctgaagga 360  
 gcaagcaata ggcgaatatg aagaccttag agcagagaa cagaaaaaa aggagaagtg 420  
 tgacaaaatt aggcaagaac gagatgaagc cgttaaaaaa ctggaagaat ttcagaaaat 480  
 ttctcacatg gtcataagag aagttaattt catgcagaac catcttgaaa tagagaagac 540  
 ttgtcgagaa agtgctgaag ctttggaac aaagctaaat aaagaaaata aaacgttgaa 600  
 aagaatcagc atgttgtaca tggccaagct gggaccagat gtaataactg aagagataaa 660  
 cattgatgat gaagattcga ctacagacac agacggtgcc gccgagactt gtgtctcagt 720  
 acagtgtcag aagcaaatta aagaacttcg agatcaaatt gtatctgttc aggaggaaaa 780

gaagatttta	gccattgagc	tggaaaatct	caagagcaaa	ctcgtagaag	taattgaaga	840
agtaaataaa	gttaaacaag	aaaagactgt	tttaaattca	gaagttcttg	aacagagaaa	900
agtcttagaa	aatgcaata	gagtgtccat	gttagctgta	gaagagtatg	aggagatgca	960
agtaaacctg	gagctggaga	aggaccttcg	aaagaaagca	gagtcatttg	cacaagagat	1020
gttcattgag	caaaaacaagc	taaagagaca	aagccacctt	ctgctgcaga	gctccatccc	1080
tgatcagcag	cttttgaaag	cttttagacga	aaatgcaaaa	ctcaccacgc	aacttgaaga	1140
agagagaatt	cagcatcaac	aaaagggtcaa	agaattagaa	gagcaactag	aaaatgaaac	1200
actccacaaa	gaaatacaca	acctcaaaca	gcaactggag	cttctagagg	aagataaaaa	1260
ggaattggaa	ttgaaatatc	agaattctga	agagaaaagcc	agaaatttaa	agcactctgt	1320
tgatgaactc	cagaaacgag	tgaaccagtc	tgagaattca	gtacctccac	cacctcctcc	1380
tccaccacca	cttccccctc	cacctcccaa	tcctatccga	tcctcatgt	ccatgatccg	1440
gaaacgatcc	caccccgatg	gcagtgggtc	taagaaagaa	aaggcaactc	aaccagaaac	1500
aactgaagaa	gtcacagatc	taaagaggca	agcagttgaa	gagatgatgg	atagaattaa	1560
aaagggagtt	catcttagac	ccgttaatca	gacagccaga	ccgaagacaa	agccagaatc	1620
ttcgaaaggc	tgcgaaagtg	cagtggatga	actaaaagga	atactggcct	cccagtagca	1680
ttggatgcag	gaaaaaatac	attgacgggtg	aaaaacaagc	cgaaccagtt	gtagttttag	1740
atcctgtttc	tacacatgaa	ccccaaacca	aagaccaggt	tgctgaaaaa	gatccaactc	1800
aacacaagga	ggatgaaggc	gaaattcaac	cagaaaacaa	agaagacagc	attgaaaacg	1860
tgagagagac	agacagctcc	aactgctgat	ccataaaacca	gaagcctgac	atgtttggaa	1920
gtccttttca	ataagcacat	gatttagtgt	gttatattgg	caagggctgt	aaacattctg	1980
ctctggtcac	tgtattcaga	atacaggttc	ttttctggtg	tcacttttgt	aagtagcaac	2040
tataaacata	agtaagctgt	ttagcaaaac	acacattcct	agtaggtttt	ggttttttga	2100
tctttataaa	gatgaggttt	ttttcctagt	tactgtatta	agtatgactt	cttttagaag	2160
gttacaaaaa	aattcagatg	ttgatacctt	tttaggaaat	gtgcatacca	ctcatcaaat	2220
ggaatgctga	aagtttgagg	tgcttgatata	taatcggaata	aacaaaactg	atcaacccaa	2280
tgtgatttta	aaagccccc	aagaagcttc	tgttttgggt	ctgatcctct	tgatggagaa	2340
actgcagcag	catggaaatt	gttgggtact	gtggcataca	agttattttc	tacagtagac	2400
tgagataaac	tgaaaactca	ggagctggca	tcaaactcgt	agtcccatag	tcagtgttaa	2460
ttacacacat	tgttaactat	tggatgaaaa	atacatgcta	ttgatttgtg	ccaaagcctc	2520
ccgaggacct	ccgtggggat	gctctggtag	cctgaataca	gaactgaggt	gaaagtccaa	2580
accttgaaat	ttacagtagt	aagttggtaa	accatgtgct	ctgtgctatg	agttaattat	2640
gttttcccaa	atactaattg	ggcacaagta	ccatatttta	tcagagttct	tatgtacagt	2700
atggtgaaga	taagtgacaa	gcacacattt	ttcttgcttc	actgctgttc	tatattacac	2760
aggtttggtg	ttgttttttt	taaaaaagaa	attaagcagt	agttagtctc	taaaaataca	2820
atgtttcagg	ctaccacagt	gaataaatag	aaatgtaatc	agggattaaa	aaa	2873

<210> 5451

<211> 1809

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1681)...(562)

<223> similar to gi442368 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5451

caacacgcgg	gcgataagtt	tgtttctttt	aaacggcgcc	cccttttttt	tttttttggtg	60
gattttcctt	ttaatgcaaa	atgttgcaat	acaaaacaat	gtggagaaag	tcctgttctt	120

caggacactg	aagggaggag	tgaggaagag	aggacagagc	tggacgtctc	ctcctatttc	180
tccctcccca	agtcactctg	aggggaagaa	cactgctgcc	tgctccctgg	gcctgcccgc	240
atacaaggtt	agagccctgg	gtctggggca	tccttagcct	gaaatttggt	gacatggggc	300
aggagagcag	gagggaaacat	tgagggtttt	gactcttcgg	gctctaaaag	gattactcag	360
gatctggagt	tccgtatgaa	acaaaggagc	tgaaagaatt	tgattgccat	tggctaaaaa	420
tatagaggat	ttgagccaca	actggcccac	atttgaagaa	tgaggaacaa	gaaatttagt	480
ggggatataa	tataaatgta	tgggagtgag	aaagatgcaa	aaaacaaggc	tagctcctca	540
aacctcctcc	tctttcttcc	tcctctccag	cttatagaca	atctggtagc	catcatccca	600
ggcatagagc	tggcggtctc	gggggttata	gctgaggctg	gcatgggcac	catatctgcg	660
gggaaaataa	gggagtgctg	cccggttcagg	ggtcaggggtg	ccgctggcat	caaaggagca	720
ctggatgcgg	gcccgaactg	caggacgggt	gttatagacg	acatagaggg	tcccacagat	780
gacaaaggca	gcctcagcat	tctctctggg	acatggtgtg	tcccactgct	gctctgtgtc	840
cagtgtctgt	ggatctaact	tggccagaca	caagtgcctg	tcctcctccc	gggtggcata	900
gacagcccaa	agaccttctt	catcagctgc	caggtcgatg	taggtgtctg	ctgtcaagcc	960
gtaggggggg	atcagccctt	ctgctgggaa	tactgagctg	tccaccactg	ttcggtttgc	1020
caggtggaat	ttgattagct	gcaaagtgtt	ctccatctca	ccacctccac	caggtcttcc	1080
aggaggcctc	cgagcaaaat	aaagaaagcc	accatatacc	agctgccctg	tgcttaccca	1140
ggggaagggc	acccggactc	gggaagcttt	ccgggcagcc	atggcaaggg	tgaagtcacg	1200
cagccttggg	aagacaaagg	ctgtgtcatt	ctgtgtccca	tctaacacgt	agatcttctc	1260
tgtttgcccc	agtggatcct	tgggtccatag	accagctggg	ccaccaaata	gcttcagaat	1320
cttcattgat	ctcacttgag	agattgtgta	gccacagtct	gtcaccatat	cgtacttctc	1380
attccttctt	cccttgccct	tgggtcccagg	gcctccagtc	accttctcat	caaactctac	1440
acagggcaga	gctgggttct	gggtctccag	atagtctacc	tcccgtctca	gacgatccac	1500
tctcccggag	atggtgtcgg	cctcagttct	gagtgcctcc	cgctccttct	ctgccacctc	1560
cagcagtggc	agcatcttgt	tcttgaagtc	ccgcagctca	gcagcatgcc	gactactctg	1620
gtcctggcac	tgggcccagc	gttctcttaa	agcagctagt	cggcgttcca	tgtactccac	1680
aaggtgggtc	tgctgtcctt	ggaggggtcc	cgaccatgac	aaaagggaaca	agatgaggag	1740
aggggtgctg	ggccccatgg	cagcctggag	agtgggtgcca	gagtagaagg	aacgtacagt	1800
cagcctctt						1809

<210> 5452

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(588)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (587)...(109)

<223> similar to gi567205 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5452

tttttttttt	ttattgacat	ttcgatctaa	gtggtcataa	accagatagg	tagtttttatt	60
aaaagattta	ccctaagaac	actccttcta	ttcccatttc	tgacatccta	cccacaccca	120
cattcatcga	ctaccatgtc	ttcataatgt	cgtagaatga	cattgtcatt	attgtcctgg	180

tagagcatgg	aaatgggaga	cagcttgggtg	gggatacaca	cagcctgggg	gatctctggg	240
tcaacggcat	gcatacgggc	ttgcatgaaa	gcataattgg	agctgttgag	agagatggtc	300
agtgagaagg	gacactctcc	atggcagtaa	tttgccatga	accccttggg	ggcaatgatc	360
cacttgtgcc	aacccagggtc	ccggaagtta	atgaatagct	ggtgacgggtg	gcagagggttc	420
ttacaagaaa	gcttgggggac	agggatggct	gctctccttt	tccgagaagg	gtggcactga	480
tcagggttga	gagtcaccac	cagcagggaa	gcatagaagg	agcatcttag	tctggcacag	540
gtgtcttcag	gctgaaaatt	cacccctgag	tcncnatctt	ctttgac		587

<210> 5453  
 <211> 598  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (601)...(87)  
 <223> similar to gi1651355 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5453	
ctacacgacg	gtattcattt aggcggaacc atcctccatg tgcgtatcgc cagcggcggtt 60
gatatgggtc	agttgcacaa tacttatttc ttcaaattgtg gatggaaatt acacggacgc 120
gtacgggcat	ccagctgcgg cgcgatgata ttttcccatg cggtaaggca cgctttgggtc 180
gaacccggca	tggcgaaaat cagcgttttg ttggcgacgc ccgctaccgc acgagattgc 240
aacgtggaag	tgccaatctc ttcaaacgac aacatccgga acacttcacc aaaaccttca 300
acttcacggt	cgaacaacgg cagcaatgct tcgggagcct gatcaccttc cgtcaggcca 360
gtaccaccgc	taatcaatc cacttgtaca tcgtcgtctg cgatccacgc agatacctga 420
gcgcgaatag	cgtagcgggt ttctttcaca atggccttat cgacaacgtg atggcccgct 480
tcttgcgccg	aatcgcgcag atagtaccg gaggtatcgt cttcttcacc gcgacgatta 540
gaaaccgtaa	gaatagcaat acgggtcggg ataaattcag tgcttacctg actcatct 598

<210> 5454  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (4)...(179)  
 <223> similar to gi2367275 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5454



tgcggtctgc	ctggtgaaat	aaaacaacaa	ctggaagagc	ttgaaagcga	ctggcgcaag	60
caacacgctt	tattcagcga	acagcaaaaa	tgtctgttta	tccctggcga	ctggttaggt	120
cgcattgaag	ccagcctaca	ggatgtcggt	gcacagattc	gccaggcaca	acaatgctaa	180
cgttgatac	gcttaatgtg	atgctggccg	tcagcgaaga	gggattgatc	gaagagatga	240
tcatcgact	gctggcctca	ccgcagctgg	cggtcttctt	tgaaaaattc	ccacgcctga	300
aggcggcaat	cactgatgat	gttccccgct	ggcgtgaagc	gctgcgcagt	cggctgaaag	360
atgcccagat	cccgcgggaa	ctcaccgaag	aggtgatgtg	ctatcagcaa	agccagctcc	420
tctccacgcc	acagttttatt	gtgcagctac	caca			454

<210> 5455

<211> 2177

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1577)...(813)

<223> similar to gi2736345 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5455

tttttttttt	ttaaatacaa	atgtttttatt	acgcaaacca	catgtaggtc	ccaggctcag	60
gggcttacc	tacagcccc	actggtccct	ggctccaagc	ctgctccttg	cccttgccca	120
ccctggaaag	ccaggatctc	ctatggagtg	tgtaggtgtc	cacgagtgtg	ccgggtgtgcg	180
ggcctcctgg	gctgcaggca	ctcaggcatg	gtggcagcat	tgagggaag	acagggtgttg	240
gggagcgggg	tccccacctg	cccaggctca	ggagtcacag	gggtctgcac	agtcctttct	300
gctgtggaac	acgtgataga	tgtgtgtcgg	ggggaacata	gcaacagcgc	cgagcagaga	360
gccacactgg	atggccacgc	cggtgcccag	caatgccggc	cggccccgc	catgcagcag	420
ggagctggct	gccaccttca	cgtaggagaa	cacgccaaga	cacagcacc	acgacagcac	480
cacgaggacc	acccccgcgc	aggtgcccac	caggggcggg	caggggtca	ggactgccag	540
cgcctacagg	tagccccac	agaacacgcc	cagcagagag	aggccgcca	gcctgccaa	600
ggacctgcac	agcacacca	tggccaggaa	gcaggccagg	ggattggcag	cactgcccag	660
caccacagcc	aggtggtagg	ccagacgccc	gtagggttaag	caggaaaagc	tctgcacggc	720
aggcagcacg	ccattggtca	gcgcgttggt	ggcggccaac	aggcccagca	ggcaggcact	780
gcgggctgat	agaagctgat	aggccttagg	gtctggacca	ggggtggtgc	ctgctgcctg	840
gcttggtggc	tcttgacgtg	gtgaggactc	ttccacctct	tctctgctc	ctggggctcc	900
cacctggagg	cctgatccta	actccccgtg	gggtacagat	ggtggtggcg	gcaacagcag	960
cagaagaccc	tggaaaggcag	cagctgaagc	gaccagaagg	gcagtcagt	cccagaagaa	1020
ggtgctggcg	ggaaaacgct	caaggaagtc	gagcgggggg	ccaggggtgc	cgttgatggg	1080
ggctggcggg	cactcgaggc	ggcccacacc	ctgcactagg	gccagcacgc	agggcagcag	1140
ggcactcagg	ccttgacca	ggaagaatga	ccgtaagaag	cgagggtggca	ggtggctcaa	1200
gaagggcagg	aaagtacat	tcgaggcaca	gcatgccagt	gccagcacia	aggccagtgc	1260
taagaaggcc	acagaatgca	actgtcctgc	cactggggcc	acatggtgcc	acagagaggc	1320
cagcagggct	gtgccacca	tgcccagcac	ctgcaccacc	cggatgggga	cctgctcgtc	1380
ctttcctggg	gccagcctcc	tccagagggt	caccaccagc	agaccaggt	tccccagagc	1440
cacaagcaca	gagacgtaag	aggggaggct	ccaacctct	ggaagctctt	tgaccaccac	1500
aggtagctcc	accagatcc	cattgaccgc	agcccaggag	cccatgccga	agagagccac	1560
cagcaggtgg	gtcagcaccg	gacgggcggg	cgtgggtgct	gccattcagc	ccaaggctgg	1620
gcccttcag	gtcagggcaa	aggtcacagc	cagttctttt	cccacctagg	gccagacacg	1680
ctttggctct	cctgggaagt	gaagactttt	tctagccagc	gggaccgccc	gcaggcaggg	1740

aagcaggaag	ccggcccgag	tcgctgcggc	cccaggggag	gaggccgaag	gagcgagtgg	1800
agccctcctc	tccagggaga	ggcggggctg	gagtcaacgc	caccaccacc	ccaagccgga	1860
cgccgggaaa	gggcgcctac	caggaggagc	cacgcacacc	ccagggcttc	acggtgcccg	1920
cgaccgcaag	agccaagtca	gatcccaggg	gagtggccgg	gacggctctg	ctcggagggg	1980
cgccgccttc	tcggtaccgt	cagggtggcg	actcgggagc	cgtcgggtcc	ctgcgcctcc	2040
cggtcgccgc	cccagtgcgc	tcccgctcca	gtgcgggctt	cccgccacgc	cgggacaccg	2100
ccgtccggcc	cagggacgcc	acctcagtc	ggagcgcgca	ggacccggca	gcagccacga	2160
cccgaatcac	ccgtggc					2177

<210> 5456

<211> 1228

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (19)...(1004)

<223> similar to gi3327222 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5456

ctgcaggatt	cggcaccaga	atacagcgag	ctcctggaca	aggcttcgga	aactgatgat	60
ccatatgagc	gcatggttct	cgttgcgcga	tttgagttt	caggatactg	ctccacctat	120
ttcagagcag	gaagtaagcc	attcaaccca	gtccttgggg	agacttatga	atgcattaga	180
gaagacaagg	gattccgctt	tttctcagaa	caggttagcc	atcatccacc	cattttctgcc	240
tgtcactgtg	aatcaaagaa	ttttgtgttt	tggcaagata	tcagatggaa	aaacaagttc	300
tgggggaagt	cgatggaaat	cctgcctgtt	ggaacactga	atgtcatgct	tccaaagtat	360
ggagattact	atgtgtggaa	taaagtcacc	acttgcatac	acaacatcct	cagtgggaga	420
agatggatag	aacattatgg	agaagtaacc	atcagaaata	ccaaaagcag	tgtttgcatt	480
tgcaaactca	catttgtcaa	ggtgaattat	tgggaattcta	acatgaatga	agtccagggg	540
gtggtgatag	atcaggaggg	gaaggcgggtg	taccggctgt	ttggaaagtg	gcatgaagga	600
ctctactgtg	gtgtggcccc	ctctgcaaag	tgcattttgga	gaccagggttc	catgccaca	660
aactatgagc	tgtactatgg	cttcacaagg	tttgctattg	agctcaatga	gttagatcca	720
gtactaaaag	atctccttcc	accaacagac	gcccgggttc	ggccagatca	aagatttttg	780
gaagaaggaa	atttagaagc	tgcagcatca	gagaagcaaa	gagtagagga	actccagaga	840
tctcggagac	gatatatgga	agaaaacaat	cttgaacata	taccaaaatt	ttttaaaaaa	900
gttattgatg	ccaatcaaag	agaagcctgg	gtttctaacg	acacctactg	ggagcttcga	960
aaggaccctg	ggtttagcaa	agtagacagc	cctgttcctt	ggtagactgg	gaatgtagag	1020
ctagccaaca	tatcacattc	tgaatgaata	aataactatg	cacaattatg	tttcttatag	1080
ctatgtgtgg	tttctgggtc	gactgaaaac	ctaccatttg	cttttctatt	catctttata	1140
atggactttc	agaagtgcac	tagacaaggc	ccctaaccac	tttgggatcc	tttctgtttt	1200
gctgcaacca	tattccttaa	aaaaaaaa				1228

<210> 5457

<211> 1833

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1834)...(943)

<223> similar to gi4680693 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5457

gtaatgatgc	tacctgtcat	ttctgagact	ggtttgtgtc	tttcgtgttt	ttttctgac	60
tgtctggcta	gaggtttacc	aattgatttg	attttcctca	aacttctggt	tacaatgatt	120
ctctctctct	ctcttttctt	gattatatta	atttctgttc	tgatctttgt	ttcctttctt	180
ctgcttactg	gattttatgt	gctctttttc	tggtttctta	ctgtaaaggc	agaagtcatt	240
gatttgcatt	gatttgagac	ttcttttcta	atgtaggcag	taagtgggtg	aaattccctt	300
ttagtatgac	tttagtggca	tctcacattg	atatgttttc	aatttcattc	agtttatttt	360
tatttatttt	ttaaattatt	tatttttttt	tttattattt	tgagtgtgtg	agcccttcta	420
ttacgcaact	caaaaatagaa	gcgtatctgt	tgtacaacat	gggtagtaat	tgactataac	480
tgagagattta	ttatattcta	atacagatca	tttataaatg	caatttcttt	attaaaaagc	540
ttccaccttt	ttgtttgttt	gtgtacaatt	tgcaaaacta	ttctgaaagc	ggaatatatg	600
tgcaacaagtc	tgcaaaagag	gcaaaatttag	gatatggtaa	atgctttaca	agttactttc	660
aaaaaactgt	ctgccacaac	tgagccttta	cattgtcatc	ttttttgatc	aaaatatttt	720
gatgccagcc	ttccttccac	tgccctaaac	tataaagcat	tttttaatga	gttgaaatta	780
aggaaggact	acccctacta	gaaaaaaaga	gaagaaagtt	ctattagttt	gaggtttcag	840
aatcccccca	aaccaggacc	agtatcgtgg	taaaggctag	gctgggacc	cggacagagt	900
atgagaatgt	gcaggaggca	tccctgagga	ttcagagctt	cagtggaccg	tgagtgtctc	960
agctgcataa	ctcactgaac	tgtcttgcca	gtttctacac	tggtctgact	gggcataatt	1020
caaaaacgaa	aaactcatat	tcattccatt	cttctggagc	tctgtgatag	catttaataa	1080
cacccaatg	ggatgtcttc	cacatatagt	attatgggat	ttcttcaagt	aattgctaaa	1140
agatacaggg	tctaattgtt	ctataatact	cataccctatt	ttatctagat	gttcaatgga	1200
tctataaatc	tccccctggg	attcatcata	gtaactgtaa	cggaaccttt	gacccaatg	1260
gcagaaatca	gaagaaacca	caaagagatt	actaggatcc	gctagatatt	tactgaagag	1320
ttttccgaat	tcctgttctt	ttgactcact	cagagctcca	accagtacag	gaataatggg	1380
aaactcatcc	ttatggcttt	ccatggcttt	agctgtataa	ggcaaagtga	tttcaatact	1440
gtgttcatct	tcactgtgtc	gcagagacat	gcgttcaaac	attcctgtct	tccacagttc	1500
tccgtaaata	ttttgggtcaa	tacgaagggtc	atacagaggt	gtcctatata	tatccacact	1560
ggaaagtgca	catcgagaga	ggggcacatg	atgagaaggc	ccaaggatga	aaattctccg	1620
ggtaatagac	ggatccactt	gtttataagc	atgggcagca	caagaccac	agtacgtata	1680
tctgcatgg	ggggcaataa	tggtcttagc	aggtcttttt	gtagactgta	cttgtgaaag	1740
ccaaccttct	agctgtgcat	tcagctgcgg	tcctgaggct	gtgtaccagc	tcccggcgtg	1800
actggcttct	cggcagacca	ctcggttgga	cat			1833

<210> 5458

<211> 970

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (239)...(603)

<223> similar to gi399711 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5458
ttgcggaatt cggcacgagg ccgactacaa cagattggag ccatggcttt ggaacagAAC      60
cagtcaacag attattatta tgaggaaaat gaaatgaatg gcacttatga ctacagtcaa      120
tatgaactga tctgtatcaa agaagatgtc agagaatttg caaaagtttt cctccctgta      180
ttcctcacia tagttttcgt cattggactt gcaggcaatt ccatggtagt ggcaatttat      240
gccaaacatt aaaatatctc gaccctaaa agttctgtct acagtcgtta tagttttcat      300
tgtcactcaa ctgccttata acattgtcaa gttctgccga gccatagaca tcatctactc      360
cctgatcacc agctgcaaca tgagcaaacg catggacatc gccatccaag tcacagaaag      420
catcgactc tttcacagct gcctcaaccc aatcctttat gtttttatgg gagcatcttt      480
caaaaactac gttatgaaag tggccaagaa atatgggtcc tggagaagac agagacaaag      540
tgtggaggag tttccttttg attctgaggg tcttacagag ccaaccagta ctttttagcat      600
ttaaagctca tccataataa ctccgggacg actgactaca caaggagaga atggtgattg      660
gcatttacct gtcatacaga agcaagagca atcaaggcat agtccacgtg gctgagtccg      720
ctgacagctg gcaaaaacaa gttccagaga ccctcgactt tggccatttc ctgtcaagggt      780
gatgaacatg ccagagtgaC cataattttac caggactcac agtagtttat ttcttttttt      840
aaatattggt atttatgatc tttgaaattt aaaaacactt atggagttat ttattttact      900
gtattctcca gtgagcaaaa ccaagttctt attaattcat tataaatcaa cagtttaacc      960
attaaaaaaa

```

<210> 5459

<211> 1329

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (146)...(284)

<223> similar to gi6013425 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5459
tgccgacttc cgacgaggag gagggctggg tgcacagtgt gacaggagac tgcaaatccc      60
ttttgtgaaa ggagaactgg tactttgcgt gaggttaaAC ttcacaaacc gctgctcaga      120
aatctgctat tttccttctc ttttaggact ttatggacag cagcctgcta accaagtcac      180
cattcgagag cgctatcgag acaacgacag cgacctggca ctgggcatgc tggcaggagc      240
agccacgggc atggccttag ggtctctatt ttgggtcttc taggggcctc aagggtcttga      300
tgtgcatagc ttctgataac cctgtgtgca ataatatgat ttgcagggca tttctgtttg      360
tgacaaaagt ttttaataat agttttaatc attcctttga aagtagtgat gtcataattg      420
tactaatcca cataagtacc acagagaagg gtttgaactg tgctattttg ttcaaatggt      480
gactctccgg gggcactggc tcattccaag actgttcttg tgcaactctc agaatacctt      540
atgtgagcat acctgttttg aaaggcattt tctttttaga gttagggtga gtgcttaagg      600
gttaatttat tttcatgtta tgccagtaat atagtgttgt atgcctattg agtgattgtg      660
gcaagaaaag ctacagcttc tttgcgttta actttttcaa accacagacc agaactgggt      720
gcatgttact ttaggagttg tgggttggtA agtcccagg tacttcccga ggctatgggt      780
tgagagcccc cgtcctgccc tctggggctc cacaggcccc tggcaaggcc gatggctcag      840

```

gatgatgggg	cacagcccg	ctttgaacaa	tcatgcttca	gaaatctgcc	tgaccctagc	900
tgctgctgct	ggctcacttt	attcttgtat	ggctttggta	ggcatacttg	gagaacatat	960
cccacattag	ggaattgatt	taagcctgag	agtttgaggg	ctttaatcct	ttaaaacttg	1020
gagaagctgg	ctgggcccgg	ggtgctcacg	cctgtaatcc	cagcactttg	agagaccgag	1080
gccgggcccgg	atcacgaagg	tcaggaagat	cggagaccat	cctgggtaac	acggtgaaac	1140
cccatcttct	actaaaaata	caaaaaatta	acctgggcgt	ggtggcaagg	cgctgtggt	1200
cccagctact	cgggaggctg	aggcaggaga	atagtgtgaa	cccaggaggc	ggagcttgca	1260
gtgagccaag	atagtgccac	tgcacttcag	cctgggtgac	agatgtgaga	ctctgtctca	1320
aaaaaaaa						1329

<210> 5460  
 <211> 1916  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1917)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1614)...(1414)  
 <223> similar to gi4490420 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5460	
tttttttttt	ttgagcagga gctgggcctt tgagggcccc tgctccaacc ccaagctgca 60
tttatgaaat	aacccatcac aggtggattt taaaaatacc caaaaaaat atttaatat 120
cattataaaa	cctagggggg gtttggaggg ggctgagcg atatgcaaac agggaggacc 180
ttcaggaaag	ctcgggccag ggtcggggat gaggaaggga aggggcacag tacttcatat 240
gaaactcata	aatacccaca ggtggtgctt ggacaggccc agctggctct gggggcctgg 300
gtgttaagaa	gggacagcag gtgaagggtt aaccttcagt cccagaaac tgggtctggg 360
agctgctact	ctaggcaggt agattgaggt ggggaagaac ctaagggagc agtgccccac 420
caagggtttg	tcagattcaa gcctcaggca agagaaaaat caaaagcctt ctgctactct 480
ctccctctgg	gcctctggtc tgcccagagg ctgggactcc ttctctacc ttgctctcaa 540
tctggagggg	gctggggggg gccccatctt cctggggccc ctggctggct tgtgggctaa 600
tgaggtgcta	atgggggtcta gtagctgctg tgctcccttc ttcatgcccc gtctgaaaca 660
ggtgctcccc	taaccacagc cccctcgatg aggtccact ccacactgca gactctctcc 720
ectaccctgc	ggccagcccc cgccccaggg aggtagtata aacctgggct ctggggacaa 780
gcagccctgg	atgagaactc cagctctgcc cacctctcct gtgggtccct caacttcttg 840
gagcctgggc	acttcatctg aaaccagag acctacgtg ctgtgcggag tctgaggacc 900
acacaagcca	tgcaaggagt ctgggcacca ggctgggac acaaangggg caagggaagt 960
tgggcccctc	tgtcctcagt ccaaccccaa ccggacactc ccagggcctc tgctcactga 1020
ctcccttggt	ctccatctct cctcacctg cccatcatgc tcccccaagg gtgggtgggg 1080
gtacagtggc	cacacatgct ggaggctgaa ggtgtccct atccccacct ctctgaggtc 1140
acgcgaggct	gggcagagca gggtagtggt gggtcagcgc cccggacagg ctgccccacc 1200
gttgagccct	cctctcctct cttctccac aattaaagc cagaacagtg gcagggagt 1260
tgtgtgctgg	ggtaggtggg gaggcctcct gggctcctgg cctgaggcct ggcaggtaga 1320
tgaatcctca	atcctggacc ccccagggg tgccaggcag gtgtggagag gagatgctca 1380

ccctgcatcc	ttaaggaggc	gcagagggca	ccctagtctt	tgacgagctt	gtagacatgg	1440
tgctggggccc	cgtgctcact	ggtggagact	tcgaagacaa	aagcaatgac	aagcaggggc	1500
tcttggggagt	cccggctcgt	gaccacctgc	aggatgggtga	agttctccag	cacgctgttc	1560
atcatgtact	tctcgggcag	gtgcttcagc	ttgtggatga	agttgatcat	gtaaggagtc	1620
tgggcaccag	gcctgggaca	caaaggggca	aggaagtgtg	ggccccctctg	tcctcagtc	1680
aaccccgacc	ggacactccc	agggcctctg	ctcactgact	cccttgggtct	ccatcctgcc	1740
ctcacctgcc	catcatgctc	ccccaaaggt	gggtgggggt	acagtggcca	cacatgctgg	1800
aggctgaagg	tgtcccttat	ccccacctct	ctgaggtcac	gcgaggctgg	gcagagcagg	1860
gtgatgggtg	gtcagcgccc	cggacaggct	gcctcgtgcc	gaattcctgc	agagcg	1916

<210> 5461

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (53)...(128)

<223> similar to gi1763291 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5461

cccgcctgca	ggaattcggc	acgagccaaa	actgaacttc	taaaataact	aggaaggact	60
cgagaaacta	catgatatga	taattaaaag	gagaaaaatg	ttgcggcaac	agaaaaagaa	120
gagatgaatg	gcagtacctt	ttatattggg	gtggaatagg	ttttcctggg	tctgatttct	180
gacaagctga	agagtgtcta	cagcctgggt	tgctgtctg	ccctcatgga	tgctattaaa	240
gctttgtttt	gttgaacagt	cagataccca	actctgttgc	cttgtggaag	atgagtcaat	300
gcaatgcttc	ttaaagtggg	ctcttctccc	tgaccacaaa	atcttttggt	actaccattt	360
tgggaagtca	aaaaaggcta	gtaattgacc	agaaaacaat	tttgtggaaa	tttg	414

<210> 5462

<211> 5980

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1892)

<223> similar to gi3327216 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5462

atctctgctt	cagagaactt	aaggaaagat	gtagaagctg	taactggcag	tcctgctagt	60
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<210> 5463

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3)...(98)

<223> similar to gi976252 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters



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<400> 5463
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aactacaaat ttctaattta gctgcagaaa aaataattag agaacacaaa taaaatgtac      180
tagtgaatac atgctttctc agacccaaac aaaaactatt tgcaacgtaa ttaaaacagg      240
ttaagtgctg tgaaaaatag aaacatgggtg acatagaaga gcctgacggg ggaacctaac      300
cgagtctga gagtgtaagc cagcttcccc aaggaagtga cacttcaacc gagatctgaa      360
ggacagcagt ctataaatga agtagagaaa ggcagtgctg agggcagagg gcacctgcat      420
gggcagaggc tgggagcaag atgagtacag cgtgccccaa gtaatcagga agtgccagtg      480
gctggagtgc agagacagca gcgcagtttt agctagagat gagagtaagg gag          533

```

```

<210> 5464
<211> 1882
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1883)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (7)...(1298)
<223> similar to gi4581082 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 5464
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ggaaggatca tgtggcagga gaccgggcag accttcaact caccagcgc ctgggccacc      180
cactgcaaga agctggtgaa ccctgccaaag aagtgcgggt gtggctgggc ctctgtcaag      240
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cggagtgagg tcgtgggtta cctggggggc cgctgggacg tcaacagcca gatgctgacg      720
gtgctcagag ccttcccttg tcggagccgg ctcggggacg caaagactgc agctgccatc      780
gaagaggaga tctaccagag cctgttcctg cggggcctgt ccctggtggg ctggtaccac      840
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caccatatag	accnacaaaa	aa				1882

<210> 5465

<211> 2567

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (5)...(1474)

<223> similar to gi3874391 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5465

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ggctgatgct	ggtgacactg	tagaagatgc	caactttgtg	gaagccatgg	cagatgcagg	240
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